1	UNITED STATES DISTRICT COURT
2	CENTRAL DISTRICT OF CALIFORNIA - WESTERN DIVISION
3	HONORABLE STANLEY BLUMENFELD, JR., U.S. DISTRICT JUDGE
4	
5	SANTA CLARITA VALLEY WATER AGENCY, )
6	Plaintiff, )
7	v. ) Case No. ) CV 18-6825 SB (RAOx)
8	WHITTAKER CORPORATION, et al.,
9	) Volume 4 Defendants. ) (Pages 370 - 458)
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11	REPORTER'S TRANSCRIPT OF TRIAL PROCEEDINGS
12	TRIAL DAY 2: P.M. SESSION THURSDAY, NOVEMBER 18, 2021
13	1:03 P.M. LOS ANGELES, CALIFORNIA
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1
                          THURSDAY, NOVEMBER 18, 2021; 1:03 P.M.
         2
                                  LOS ANGELES, CALIFORNIA
         3
                                           -000-
         4
                        (In the presence of the jury:)
                        THE COURT: We are back on the record in the trial
01:03PM
         5
         6
            matter with all present who were present before the break,
         7
             including the jury. And Mr. Abercrombie is still on the
            witness stand.
         8
                        And you understand that you remain under oath?
                        THE WITNESS: Yes, Your Honor.
01:06PM
        10
        11
                        THE COURT: All right. Mr. Blum, you may continue
        12
            with your cross.
        13
                        MR. BLUM: Your Honor, we sent an instruction.
        14
                        THE COURT: Oh, yes. Do I have that?
01:06PM
        15
                        MR. BLUM: It was sent to Mr. Cruz.
                        THE COURTROOM DEPUTY: It hasn't arrived at my
        16
             e-mail.
        17
        18
                        THE COURT: All right. Do you have a written form
             that you can hand to the Court? If so, I'm happy to read the
        19
01:06PM
        20
             instruction that you are requesting.
        21
                        MR. BLUM: We'll proceed, Your Honor.
        22
                        THE COURT: All right.
        23
             ///
        24
             ///
        25
             ///
01:06PM
```

	1	KEITH ABERCROMBIE,
	2	PLAINTIFF'S WITNESS, PREVIOUSLY SWORN, TESTIFIED AS FOLLOWS:
	3	CROSS-EXAMINATION (RESUMED)
	4	BY MR. BLUM:
01:07PM	5	Q. Ready to go, Mr. Abercrombie?
	6	A. Yes.
	7	Q. All right. I want to clear up one or two things
	8	that we dealt with before the break.
	9	The e-mail that we were discussing of Mr. Gee that
01:07PM	10	was forwarded by Mr. Alvord, Mr. Gee was the one that is
	11	sitting at the counsel table right now; correct?
	12	A. Correct.
	13	Q. All right. And all right. Let's move on to a
	14	different subject. Let's talk about the permit.
01:07PM	15	Have you ever reviewed the permit that was issued
	16	that allowed the water agency to serve water from S-1 and S-2,
	17	or Saugus 1 and Saugus 2, wells?
	18	A. Yes.
	19	Q. When was the last time you looked at it?
01:07PM	20	A. Looked at parts of it, I don't know, within the last
	21	few weeks.
	22	Q. Okay. Now, that is stipulated Exhibit No. 96, if
	23	you can bring it up, please.
	24	(Exhibit 96 received into evidence.)
01:08PM	25	Q. (BY MR. BLUM:) Now, I want to talk to you about

1 some terms before we get into the heart of it. 2 We talked about an MCL, but do you know what a 3 public health goal is? Generally. It's a standard that's used -- it's not 4 a -- it's not a standard that the Department of Public Health 01:08PM 5 6 or DDW uses for these type of sub chemicals that have an MCL. 7 But my understanding is it's something that also looks at health and -- I think it maybe, you know, doesn't take into 8 account things like the -- the ability to -- the ability to treat or get rid of something, nor the cost that it would take 01:08PM 10 11 to get rid of something. 12 And what's an MCL equivalent? Q. An MCL equivalent is a term that I think is found in 13 the 97-005 process document that allows you to take a group of 14 01:09PM 15 chemicals that exist at some levels, say, below the MCL, and do 16 a mathematical calculation on those chemicals and then add all 17 that up to -- to sort of determine if -- you know, to come up 18 with that term, the MCL equivalent. 19 And am I correct, sir, that according to the user's 01:09PM 20 guide for the DDW, if that equivalent is below 1, then the 21 water is safe? 22 I believe that -- that user's quide provides for a 23 process to calculate an MCL equivalent or demand that we 24 calculate an MCL equivalent, and then the DDW takes that 25 information along with the rest of the information into 01:10PM

```
1
             consideration as to how they permit the project.
         2
                        And the critical number is: Is it above or below 1;
         3
             correct?
         4
                  Α.
                        Correct.
                        And isn't it true that, in all of the applications
01:10PM
         5
         6
             that the water agency has made to the DDW, that the water
         7
             agency has never calculated the MCL equivalent above 1?
                        I'm not -- I don't know that that's the case. I
         8
                  Α.
             seem to recall there had been a level at one point above 1.
             You know, we -- we've -- this wasn't a calculation that, you
01:10PM
        10
        11
             know, we were that familiar with, so we took what they told us,
        12
            we did -- did the process. They came back and said, well, you
             didn't include this chemical or this constituent. We want to
        13
             look at those things as well. And so I think it's had several
        14
             iterations.
01:10PM
        15
                        In the latest application made by the water agency,
        16
                  0.
        17
             isn't it true that, according to the consultants you hired,
        18
            Kennedy Jenks, that MCL equivalent was below 1?
        19
                        I believe that's the case, yes.
                  Α.
01:11PM
        20
                  Q.
                        And the public health goal for -- I think for PCE or
        21
             TCE is 1.7 or 1.9 part per billion; correct?
        22
                  Α.
                        I -- I don't know what the level is.
        23
                        But when was the last time the VOCs in either V-201,
        24
            V-205, Saugus 1, or Saugus 2 was above the public health goal?
        25
                  Α.
                        I don't know.
01:11PM
```

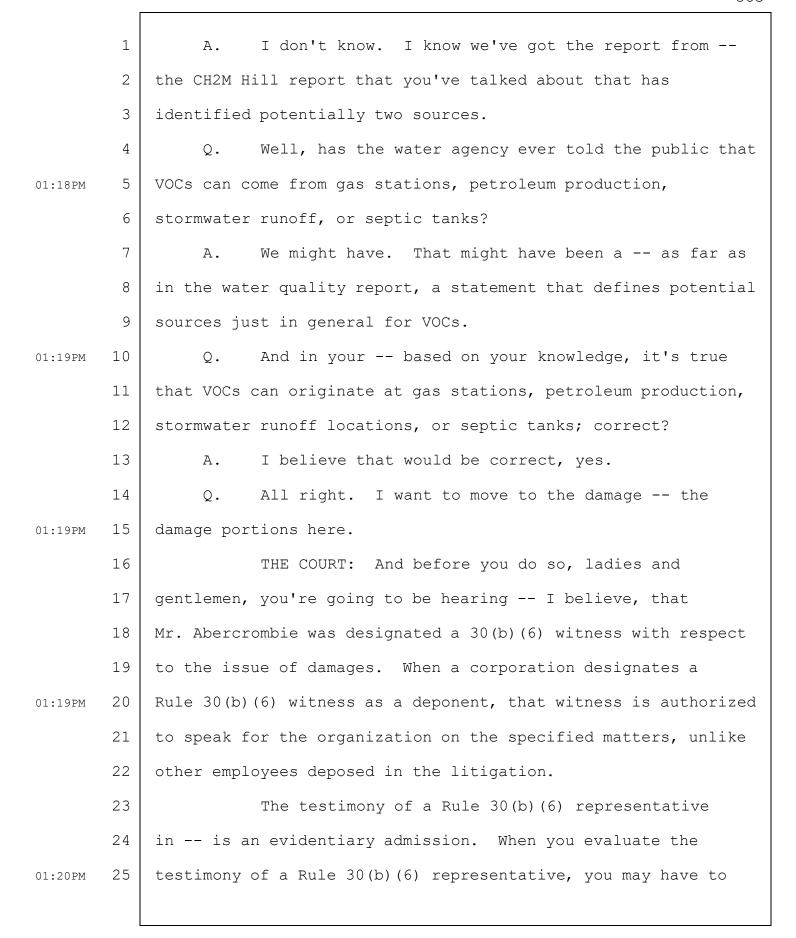
	1	Q. Has it ever been?
	2	A. Well, assuming that's the number, the 1.9. I'm not
	3	aware that we've seen a number that high in 201, nor 205. I
	4	don't know about the Saugus wells. I know those numbers have
01:11PM	5	been higher than I think we've seen at 201 and 205. So I can't
	6	say for sure.
	7	Q. But you don't know if it's above or below the public
	8	health goal?
	9	A. Correct.
01:12PM	10	Q. How about right now or the latest testing that was
	11	done, is it above or below the public health goal?
	12	A. I haven't looked at the latest testing, so I don't
	13	know.
	14	Q. Well, sitting here, can you testify that, in the
01:12PM	15	latest round of testing, that the VOCs in any of the wells that
	16	are at issue here were above an MCL, an MCL equivalent, or a
	17	public health goal?
	18	A. The VOCs have MCLs. The MCL equivalent process is
	19	useful for looking at those, but it's also useful for looking
01:12PM	20	at things that don't have MCLs. So I don't I guess I don't
	21	follow the your question.
	22	Q. All right. Why don't we just move on.
	23	If you take a look at the permit, the requirement
	24	is there something in the permit called an "operational goal"?
01:13PM	25	A. I believe that's the term they use, yes.

```
1
                        Is it -- isn't an operational goal different than a
                  Q.
         2
             permit requirement?
         3
                        I don't think so. I mean, I look at everything in
                  Α.
             this permit as -- as something we've -- we try to follow. This
         4
             is a document that they've presented to us. They've listed
01:13PM
         5
         6
             various things that you have to do. And so this entire permit
         7
             is something that we -- we look to follow.
                        I understand that, but that wasn't my question.
         8
                  Q.
         9
                        Isn't an operational goal different than a
             requirement?
01:13PM
        10
        11
                  Α.
                        I don't know that to be the case, no.
        12
                        Do you know that it's not the case?
                  Q.
                        I don't know that it's not the case either, but I
        13
                  Α.
        14
             don't know that it is the case.
                        Okay. If we could take a look at the permit on
01:13PM
        15
                  Q.
        16
             96.8.
        17
                        Do you see where it says under "General" and under
        18
             paragraph 2 there?
        19
                  Α.
                        Okay.
01:14PM
        20
                  Q.
                        Now, this says that the water agency shall meet all
        21
             MCLs; correct?
        22
                  Α.
                        Correct.
        23
                        And as far as you know, for VOCs, it has always done
        24
             that; correct?
        25
                  Α.
                        Yes.
01:14PM
```

```
1
                        All right. Now, if we can go to page 12. And let's
                  Q.
         2
             see. Do you see where it talked -- you see where it says 20,
         3
             paragraph 20 under blending?
                  Α.
         4
                        Yes.
                        Okay. And what does it say about achieving the
01:14PM
         5
                  0.
         6
             operational goal?
         7
                  Α.
                        Do you want me to read the paragraph?
                        Well, doesn't it say that you're supposed to
         8
                  Q.
         9
             establish procedures and verification in order to achieve your
             operational goal?
01:14PM
        10
        11
                  Α.
                        Correct.
        12
                        Now, if you're correct and 10 percent of the water
                  Q.
             still contains VOCs, how long has it been since the water
        13
        14
             agency has met the operational goal?
                        Well, I mean, we meet it every month when we -- or
01:15PM
        15
             every week when we sample and there's no detection. But we
        16
        17
             haven't consistently met it since the operation of the facility
        18
             on, like, a permanent basis.
        19
                        And the wells are still operating? The DDW hasn't
                  Q.
01:15PM
        20
             pulled your permit?
        21
                  Α.
                        They have not.
        22
                        Have you -- have you seen a letter from them that
        23
             says, water agency, meet the operational goal or turn the
             faucet off?
        2.4
        25
                  Α.
01:15PM
                        No.
```

```
1
                        Now -- all right. Let's go further on.
                  Q.
                        Now, attached to this permit, wasn't there an
         2
         3
             engineering report that was prepared by one of the water
             agencies? I think it's the Metropolitan Water Department.
         4
                        If we can go to page 19, 96.19. Do you remember
01:16PM
         5
         6
             seeing this?
         7
                  Α.
                        Yes. I've seen that as part of that document.
         8
                        All right. And this was prepared by
                  Q.
             Susan Brownstein; correct?
        10
                        That's what it says.
01:16PM
                  Α.
        11
                        And who is Susan Brownstein?
                  0.
        12
                  Α.
                        It says that she's a -- one of the engineers, so a
             staff member at DDW.
        13
        14
                        Okay. And then it was approved by Mr. O'Keefe;
                  Ο.
01:16PM
        15
             correct?
        16
                  Α.
                        Yes.
        17
                        Isn't -- what's Mr. O'Keefe's current position with
                  Ο.
             the DDW?
        18
        19
                        Might be the same. I mean, he's in charge of -- of
                  Α.
01:16PM
        20
             the district. So I don't know what the title is, but it might
        21
             be the same as it was then, actually.
        22
                  Q.
                        The colloquialism would be head honcho?
        23
                  Α.
                        Yeah.
        24
                        MR. BLUM: All right. Now, if we could go to
        25
             page .34.
01:17PM
```

	1	Q. Now, have you seen have you ever read in this
	2	report the discussion of sources of the contamination other
	3	than Whittaker?
	4	A. No. I really never read that part of the report.
01:17PM	5	MR. BLUM: If you can go to the last full paragraph.
	6	And if you can blow that up, Rick.
	7	Q. (BY MR. BLUM:) Okay. You see where it talks about
	8	AL-12B?
	9	A. Uh-huh. Yes.
01:17PM	10	Q. All right. And then the second-to-the-last line, it
	11	says, "The TCE and the PCE contamination at this location is
	12	not believed to have originated at the Whittaker Bermite site"?
	13	A. Okay.
	14	Q. What, if anything, has the water agency done to find
01:17PM	15	out what the source is of that contamination?
	16	A. Well, I mean, there is there was a study I know
	17	that was done that we talked about just before that was done in
	18	2015-ish or so by CH2M Hill to try to look further into the
	19	contamination sources.
01:18PM	20	Q. That was the study in which CH2M Hill says you need
	21	to do further testing, which has never been done?
	22	A. Right.
	23	Q. All right. Now, hasn't the water agency continually
	24	told the public that there's multiple possible sources of VOCs
01:18PM	25	that can contaminate the water?



	1	decide which testimony to believe and which testimony not to
	2	believe. You may consider the credibility of the witness in
	3	determining whether to believe the testimony of a Rule 30(b)(6)
	4	representative.
01:20PM	5	You may proceed.
	6	MR. BLUM: Thank you, Your Honor.
	7	Q. (BY MR. BLUM:) Mr. Abercrombie, do you recall in
	8	December of 2019 you testified as a 30(b)(6) witness on the
	9	issue of damages?
01:20PM	10	A. I recall a deposition, yes.
	11	Q. Do you recall you were testifying as a corporate
	12	representative?
	13	A. I I recall I was that when I was there, yes.
	14	Q. All right. Good.
01:20PM	15	Now, the damage calculations that you did that you
	16	showed the jury when you were looking at the when you were
	17	looking at the amount of water that would have been produced
	18	and therefore had to be replaced; correct?
	19	A. Yes.
01:21PM	20	Q. Do you remember that?
	21	Which years did you choose to look at in order to
	22	make the determination as to how much water would be needed?
	23	A. For for V-201, I believe I initially looked at
	24	this was in or about 2010, you know, time frame when the well
01:21PM	25	went out of service. So it's kind of when I started looking at

```
1
             that. And I looked at the historical production of the well.
         2
             That well had only been drilled and put online in, like, '89,
         3
             90.
                        So I looked back at the production from that well
         4
             for time periods before the 2010 time period, if you will. And
01:21PM
         5
         6
             I believe I had, like, a five- or six-year period I looked at,
         7
             and then I went back to pick up the full maybe nine years or
            whatever it was.
         8
                        And then did you average those numbers?
                  0.
                             I -- I -- I got those two -- I mean, I averaged
01:22PM
        10
        11
             the individual numbers over those five years or whatever, but
        12
             then I picked the smaller of those two to avoid a fight.
        13
                  Q.
                        Okay.
        14
                        Frankly. It wasn't a huge volume of water, but I
01:22PM
        15
             didn't want to go down that path. So I -- with your client.
             So I -- I picked the five-year average or whatever it was that
        16
        17
             gave the slightly smaller volume of 2 -- I think it was
        18
             214 acre-feet per year.
                        Now, you testified, sir, did you not, that the only
        19
01:22PM
        20
             two possible sources of water are groundwater and State water;
        21
             correct?
        22
                  Α.
                        Those are the two we have available to us, yes.
        23
                        That's not a correct statement, is it?
                  0.
        24
                  Α.
                        Well, for -- I mean, if you want to include the
        25
             500 acre-feet of water we have for recycled water.
01:23PM
```

	1	Q. Well, how about banked water?
	2	A. Well
	3	Q. Do you have banked water?
	4	A. To me, imported water includes any water we bring
01:23PM	5	down the aqueduct into our treatment plants.
	6	Q. But do you what is banked water, sir?
	7	A. Banked water is water that we as an agency have
	8	purchased and put in groundwater storage banks in the
	9	Central Valley, for instance, that can be used in periods of
01:23PM	10	drought.
	11	Q. And other than transportation costs, you don't have
	12	to pay for that water because you already paid for it earlier
	13	on; correct?
	14	A. Um, in some cases. Other cases, I think that their
01:23PM	15	deals for the water, that you have to replace that water with
	16	volumes in the future depending on where you're getting it
	17	from.
	18	Q. Don't you also have contracts with Kern and
	19	Yolo County for water?
01:24PM	20	A. I believe so, yes.
	21	Q. So there are at least four water sources, not two;
	22	correct? Actually, five. Yolo County, Kern County, and
	23	Big Water, plus the two we talked about; correct?
	24	A. Well, I would still lump that, again, into imported
01:24PM	25	water, is water that comes down the aqueduct and into our

```
1
             system.
         2
                        Now, in doing your calculations about the costs, did
         3
             you take into account the different costs of water if you use
             banked water or water you have under contract with, Kern County
         4
             or Yolo, versus water that you have to buy outright from the
01:24PM
         5
         6
             State?
         7
                        The calculations --
                  Α.
                        Did you take it into account or not?
         8
                  Q.
         9
                        We did not take that into account because they
                  Α.
             weren't part of the calculation.
01:24PM
        10
        11
                        They were not part of it because you decided they're
        12
             not part of it; correct?
        13
                  Α.
                        Because they are not appropriate to be part of it.
                        Well, can you -- do you have access to your banked
        14
                  0.
01:25PM
        15
             water?
        16
                        Are you asking today do we have access to it? I
                  Α.
        17
             don't know.
        18
                        Well, when you -- a year ago, did you have access to
                  Ο.
        19
             it?
01:25PM
        20
                  Α.
                        Again, I don't know. I'm not the department that
             has -- I mean, we have access to it until we've used it.
        21
        22
                        Well, in making your calculations, did you look into
        23
             whether or not there was banked water or water you had rights
        2.4
             to under contracts with other counties to draw from?
        25
                  Α.
01:25PM
                        No.
```

	1	Q. All right. Now, in so let's go to the issue of
	2	damages. And I want to talk about specifically your testimony
	3	as a corporate representative for the water agency.
	4	As that representative, are you aware of any
01:26PM	5	instance in which VOCs have prevented the delivery of water to
	6	your customers?
	7	A. Other than delaying our permit, no.
	8	Q. Are you are you aware of any instance in which
	9	VOCs have prevented the delivery of water to your customers?
01:26PM	10	Yes or no.
	11	A. No. My answer was what I just said. We can't
	12	deliver water from V-201 right now because of VOCs.
	13	Q. Okay. Well, is that what you testified to in your
	14	deposition?
01:26PM	15	A. I don't know. I don't remember.
	16	Q. All right. It's page 45, lines 12 through 15.
	17	MR. BLUM: When counsel has a chance to see it, I'm
	18	going to play the video.
	19	Patrick, is it okay?
01:27PM	20	MR. RICHARD: He's not my witness.
	21	MR. GEE: I'm fine with it.
	22	(Videotaped deposition was played:)
	23	Q. Are you aware of any occasion in which the
	24	presence of VOCs has prevented water from being
	25	delivered to any of your customers?

	1	A. <i>No</i> .
	2	Q. (BY MR. BLUM:) Now, when you were testifying on
	3	that day, you were under oath; correct?
	4	A. Correct.
01:27PM	5	Q. Same oath you took here?
	6	A. Yes.
	7	Q. And you told the truth then; right?
	8	A. Yes.
	9	Q. And there was no qualification in your deposition
01:27PM	10	when you were asked, has it prevented any delivery? It was
	11	just "No."
	12	A. That's correct.
	13	Q. Now, here, there's qualifications; correct?
	14	A. Well, I'm telling you what the case is here.
01:27PM	15	Q. Now, the other one of the last questions is
	16	are other than blending water and the cost of blending
	17	water, are you aware of any damages suffered by the plaintiff
	18	from VOCs?
	19	A. Well, are you lumping replacement water in with
01:28PM	20	blending water? I mean, that's
	21	Q. No.
	22	A. That's an
	23	Q. Other than blending water, any damages?
	24	A. Well, there's replacement water.
01:28PM	25	Q. Anything else?

```
1
                        I can't think of anything right now.
                  Α.
                        Okay. Now, isn't -- in your deposition as the
         2
         3
             corporate representative, didn't you testify that the only
             damage was blending water?
         4
                        I guess so since you're asking me the guestion, but
01:28PM
         5
         6
             I don't remember what I testified.
         7
                        All right. Again, page 45, line 20 through 23.
                  Q.
                        MR. BLUM: Your Honor, I'm just waiting for counsel.
         8
         9
                        THE COURT: He's had sufficient time. Please
01:29PM
        10
            proceed.
        11
                        MR. BLUM: Okay. Play it.
        12
                        (Videotaped deposition was played:)
        13
                  Q.
                        Are you aware of any damages suffered by the
        14
                Water District as a result of the presence of VOCs
        15
                other than the need to blending water for V-201?
        16
                  Α.
                        No.
        17
                        (BY MR. BLUM:) When you said that, when you said
        18
             "No," you were under oath; correct?
        19
                  Α.
                        Correct.
01:30PM
        20
                  Q.
                        All right. Now, this is the last issue that I
        21
            want -- that we're going to talk about.
        22
                        You saw -- you were shown a photograph -- I think
        23
             it's Exhibit 471 -- of basically the piping that's in -- for
        24
            V-201; correct?
        25
                        Yes.
01:30PM
                  Α.
```

	1	Q. That was paid for by Whittaker; right?
	2	A. Well, part of that was, of the perchlorate treatment
	3	system.
	4	Q. Well, that is the perchlorate treatment system.
01:30PM	5	A. Well, there's more in the picture. The well is in
	6	the background. There's other things. So, yes, that treatment
	7	system was funded by Whittaker pursuant to our V-201 agreement.
	8	Q. Right.
	9	And, in fact, Whittaker has already paid tens of
01:30PM	10	millions of dollars to the water agency; correct?
	11	A. Over the years in building the several plants, sure.
	12	Q. Actually, it's been upwards of 60 million with
	13	another 10 million in a contingency fund?
	14	A. I don't know the numbers, so
01:31PM	15	MR. BLUM: All right. If we can go to
	16	Exhibit 489 I'm sorry. Not 489. Yeah, 489, page 795. And,
	17	again, I think this is the yeah. The paragraph line that
	18	says the settlement agreement, two above where it says DTSC
	19	CLWA.
01:31PM	20	Q. (BY MR. BLUM:) All right. See where it says that
	21	they've Whittaker has paid \$50 million for a treatment
	22	system that's supposed to go for 30 years? Correct?
	23	A. Well, I think that's saying they're committing to
	24	pay for that. I don't know that it's all been spent.
01:32PM	25	Q. All right. Well, if you let's go to the next

```
1
             paragraph. It talks about $31 million has been reimbursed to
         2
             the agency for past expenses; correct?
         3
                  Α.
                        Correct.
                        And below it, another 5 to 10 million will be used
         4
             to construct wells and pipelines?
01:32PM
         5
         6
                  Α.
                        Yes.
         7
                        And another 10 million is available to allow water
                  Ο.
             supplies if additional treatment is necessary?
         8
                  Α.
                        Correct.
                        And also, didn't Whittaker commit to pay for the
01:32PM
        10
                  Ο.
        11
             construction of two entirely new wells?
        12
                  Α.
                        Um, I think that's part of that 10 -- or part of
             that 5 to 10 million that you're -- or maybe I'm confused
        13
        14
             but --
01:32PM
        15
                        And part of it is to -- is to build and drill two
             entirely new wells outside the plume of the perchlorate or the
        16
             VOCs; correct?
        17
        18
                        Two new replacement wells, yes.
                  Α.
        19
                        And Whittaker has committed to pay for that;
                  Q.
01:33PM
        20
             correct?
        21
                  Α.
                        I believe there is an agreement, yes.
        22
                        It's about $65 million in total; right?
                  Q.
        23
                  Α.
                        Maybe. Yeah.
        24
                        MR. BLUM: Okay. Thank you.
        25
                        THE COURT: Mr. Gee, redirect?
01:33PM
```

## 1 REDIRECT EXAMINATION 2 BY MR. GEE: 3 Mr. Abercrombie, I just have one simple follow-up Q. 4 question. Did Whittaker only pay for the perchlorate treatment 01:33PM 5 6 systems only after being sued? 7 Α. The initial systems, yes. And we earlier talked about V-201, perchlorate 8 Q. 9 treatment system. Was there a willingness to immediately fund 10 the cost of -- to install the V-201 perchlorate treatment 01:34PM 11 system? 12 No. It was a process. I mean, it took a number of Α. 13 years before we could get to the point of having the V-201 agreement in place that accomplished that. 14 That's all I have. 01:34PM 15 MR. GEE: 16 THE COURT: Anything further? 17 MR. BLUM: Yes, sir. 18 RECROSS-EXAMINATION 19 BY MR. BLUM: 01:34PM 20 Ο. Mr. Abercrombie, wasn't the holdup on the building 21 of the V-201 the fact that the water agency wanted to have 22 carte blanche in how they constructed it and Whittaker said, 23 no, we'll -- we'll design it and we'll control it? 24 Α. No. A lot of the holdup was that Whittaker wanted 25 01:35PM an agreement structured in a certain way to meet certain needs

	1	they had with funding, I think, from the Department of Defense.
	2	MR. BLUM: All right. Thank you.
	3	THE COURT: You're excused, sir. Please watch your
	4	step going down.
01:35PM	5	And we're still with the plaintiff's case. So who's
	6	your next witness?
	7	MR. RICHARD: Yes, Your Honor, thank you. Plaintiff
	8	would call Mr. Rick or Dr. Rick Hughto to the stand. I
	9	don't see him, so we'll run and get him.
01:35PM	10	He's right here so
	11	THE COURTROOM DEPUTY: Good afternoon, sir. Would
	12	you please come forward.
	13	Would you please walk around, and I'll swear you in
	14	when you get up on the platform.
01:36PM	15	Please raise your right hand to be sworn.
	16	Do you solemnly swear that the testimony you shall
	17	give in the cause now before this Court shall be the truth, the
	18	whole truth, and nothing but the truth, so help you God?
	19	THE WITNESS: I do.
01:36PM	20	THE COURTROOM DEPUTY: Thank you. Please be seated.
	21	Sir, for the record, would you please state your
	22	name and then spell your last name.
	23	THE WITNESS: Can I take this off, please?
	24	My name is Richard Hughto, spelled H-u-g-h-t-o.
01:36PM	25	THE COURT: Mr. Richard.

	1	MR. RICHARD: Oh, thank you, Your Honor.
	2	RICHARD HUGHTO, PH.D.,
	3	PLAINTIFF'S WITNESS, HAVING BEEN SWORN, TESTIFIED AS FOLLOWS:
	4	DIRECT EXAMINATION
01:36PM	5	BY MR. RICHARD:
	6	Q. Good afternoon, sir.
	7	A. Good afternoon.
	8	Q. You've been retained as an expert in this matter; is
	9	that right?
01:36PM	10	A. Yes, I have.
	11	Q. And before we talk about your work in this case,
	12	Dr. Hughto, can you please describe for us a bit about your
	13	educational background?
	14	A. Yes. I received a Bachelor of Engineering in civil
01:37PM	15	and environmental engineering from Manhattan College in 1972.
	16	I've received a Master's in environmental engineering from
	17	Manhattan College also in 1973. And I received a Ph.D. in
	18	water resource engineering from Cornell University. And I
	19	finished there in 1979.
01:37PM	20	Q. Okay. And do you have any background in hydrology
	21	or hydrogeology?
	22	A. I do. I studied hydrology and hydrogeology in all
	23	three levels of education that I had. I've been practicing in
	24	hydrology in professional positions I've had since 1975.
01:37PM	25	Q. And what is hydrology, sir?

1 Hydrology is the study of movement -- of the Α. 2 movement of water in the environment. One way to think about 3 it is the hydrologic cycle, which is water comes from the sky 4 as precipitation, falls on the earth, either will penetrate the earth, percolating through the soil into groundwater, and 01:38PM 5 6 groundwater is just the movement of water under -- within the 7 soil below the ground surface. And also that the water that falls from precipitation could run off and become surface water 8 in rivers, lakes, or other surface water bodies. 10 Thank you. 01:38PM Ο. 11 And in addition to your degrees and Ph.D. from 12 Cornell University, can you please describe any professional 13 licenses and registrations you have in your field? 14 Yes. I've had a number of licenses over the years. Α. 01:38PM 15 I've had professional engineering licenses in six different 16 states. I had a -- a license called a licensed site 17 professional in Massachusetts which is a specialty only in 18 Massachusetts which is a -- a license which you're allowed to 19 render decisions on the investigation and remediation of contaminated sites in Massachusetts. In order to render 01:39PM 20 21 opinions on those types of sites to the State in Massachusetts, 22 you must have that license. And I've also been a certified 23 hydrologist by the American Institute of Hydrology. 24 THE COURT: Dr. Hughto, could I just have you move 25 maybe an inch or so away from the microphone. You're doing a 01:39PM

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1
             good job speaking into it so everyone can hear you, but you're
         2
             just a tad too close.
                        THE WITNESS:
         3
                                      Okay.
         4
                        THE COURT:
                                    Thank vou.
                                      Thank you, Your Honor.
01:39PM
         5
                        MR. RICHARD:
                        (BY MR. RICHARD:) And how did you become -- did you
         6
                  Q.
         7
             say a certified or a registered professional hydrologist?
                        It's certified.
         8
                  Α.
                        And how did you become a certified hydrologist?
                  Q.
                        There is a process for applying. Again, it's
01:39PM
        10
        11
             through the American Institute of Hydrology, a nationwide
        12
            professional organization in which you fill an application out,
        13
             showing your -- your education and experience in the field.
        14
                        And if you're -- you have sufficient experience,
01:40PM
        15
             according to those senior officials at the American Institute
             of Hydrology, you can -- you'll be granted a license. If -- if
        16
        17
             there's any question there, they also have an examination
        18
            process where applicants can take an examination much like the
            professional engineering license and -- and gain the -- the
        19
01:40PM
        20
             certification through that process.
        21
                        I didn't take the exam. I was given the license
        22
            based on my education and experience.
        23
                        Have you taught any courses in your professional
             field?
        24
        25
                              While I was in graduate school at Cornell, I
01:40PM
                  Α.
                        Yes.
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1 was -- I taught hydrology courses to juniors and seniors, 2 usually in the summer. I was also a teaching assistant in 3 other related type of courses. But the -- I was the principal instructor in the hydrology course, I taught to the juniors and 4 seniors and, again, teaching the principles of the movement of 01:40PM 5 6 water in the environment and also discussing the movement of 7 contaminants in the environment. Did you teach students about things such as 8 Q. hydrogeologic cycle that you mentioned earlier? 10 Α. I did. 01:41PM 11 Did you teach them about aquifers? 12 Yes, I have. Aquifers are -- are the bodies of --Α. the underground bodies of water called groundwater, and that 13 14 was a component of the course. 01:41PM 15 Do you have any experience teaching or speaking on 16 something called "site assessments"? I do. 17 Α. 18 Can you briefly explain your experience in that 0. 19 regard? 01:41PM 20 Α. Yes. I've been involved in performing what we call 21 site assessments for around 40 years now. During that period 22 of time, I've been involved in instructing different groups how 23 to conduct site assessments, from people that I hired and 24 personally mentored and instructed to professional groups, like 25 the group -- group of LSPs, the group that I had the license 01:41PM

1 for in Massachusetts. Other -- other professional types of 2 groups of people who work in my industry. I have also done programs for legal groups, groups of lawyers, groups of 3 4 bankers, insurance companies, and a number of other types of organizations. 01:42PM 5 6 And I should just ask you briefly, when -- can you 7 explain what you mean by "site assessment" in those various teaching and presentations? 8 Α. Yes. A site assessment is a multistep process with the goal of determining whether there is the potential or there 01:42PM 10 11 is an existing contamination condition on a property. And in 12 going forward, if you do happen to find one, determining whether it needs to be cleaned up or mitigated or -- and, if 13 so, determining a method that is consistent with the objectives 14 01:42PM 15 of your assessment. I had multistep. The first step is -- is reviewing 16 17 records. It could be records -- records related to the 18 ownership of a property to what happened on the property. kind of operations were there? Was it manufacturing? Was it a 19 01:43PM 20 gas station? What -- what happened there over time and what 21 happened that could have impacted the environment on the 22 property? What could have impacted soil and groundwater 23 quality, just based on records? 24 Once a thorough record search is completed, if --25 the next phase is to look into whether any of the conditions or 01:43PM

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1
             any of the history that may have led to contamination, in your
         2
             judgment as the assessor, whether any of those actually did
            cause contamination, which in most cases calls for field
         3
         4
             investigations, whether it's through the collection of --
             collection of soil samples. It could be visual, could be
01:43PM
         5
         6
             collecting groundwater samples, soil, vapor, air, water,
         7
             sediment, collecting samples to determine whether there is
         8
            contamination present.
                        If so, if you find contamination, the next step is
            to determine the degree and the extent of the contamination.
01:44PM
        10
        11
            How far did it go? Where is it vertically? Horizontally? In
        12
            what media? When I say "media," I mean water, soil, air. And
        13
            does it need to be cleaned up?
        14
                        There is a process the government has set up to
            determine whether the -- called a risk assessment in which
01:44PM
        15
             the -- you evaluate whether the contamination conditions you
        16
        17
            have need to be cleaned up for the uses of the property you're
        18
            assessing.
        19
                        And the final phase is the -- is the actual
01:44PM
        20
            mitigation of the problem, if that is necessary, at a site.
        21
                        And how long have you been involved in site
                  0.
        22
             assessments, that multistep process you just described?
        23
                        About 40 years.
                  Α.
        24
                        Can you tell us briefly, give us an overview of your
        25
01:45PM
            work history?
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	1	A. Yes. After I finished the Master's degree at
	2	Manhattan College, I went to work for the Federal Government,
	3	the Environmental Protection Agency in New York City. That
	4	office governs New York, New Jersey, Puerto Rico, and the
01:45PM	5	Virgin Islands.
	6	I was an engineer there for about two-and-a-half
	7	years. And my primary responsibility was evaluating the
	8	impacts of waste disposal practices on the land or in water on
	9	the environment. It included actual field work to collect
01:45PM	10	samples, to characterize the environment, as well as to
	11	mathematically model the impacts of contaminants on the
	12	environment.
	13	I left the EPA in December of 1975.
	14	Q. Before we go on to the next position, just what was
01:45PM	15	your title with the EPA?
	16	A. I was the government has ways of categorizing
	17	people. And I was an environmental engineer. They have
	18	numbers after it. I think I was a 7, a 9, and some other
	19	numbers.
01:46PM	20	Q. You might just want to slow down just a little bit
	21	for our court reporter. I'm sure she'll appreciate that.
	22	Okay. After you worked at the EPA for what
	23	did you say? Two or three years?
	24	A. Two-and-a-half years.
01:46PM	25	Q. And then did you go back to grad school at some

1 point? Or what was your next position? I left EPA, actually, on Christmas Eve of '75 2 Yes. 3 and then in January began the Ph.D. program at Cornell. While I was at Cornell, I was also working as a research assistant 4 for -- for a couple of different professors. I was a teaching 01:46PM 5 6 assistant, and I was -- I taught the hydrology course I talked 7 about during the summer and was a student as well. 8 Q. Okay. And then when did you get your Ph.D.? I finished the work there in 1979, and the degree Α. was conferred a couple of years later when I finished all the 01:46PM 10 11 paperwork. 12 Q. And, again, your Ph.D. was in what specifically? Α. It was in water resource engineering. 13 Okay. And where did you work -- what was your next 14 0. 01:47PM 15 full-time position after 1979? 16 In August of 1979, I moved to Boston, went to work Α. for a company called Camp Dresser & McKee, also known as CDM. 17 18 And what did you do there? 0. 19 I was doing site assessment type work pretty much Α. 01:47PM 20 from the beginning for different types of land development, 21 people under the enforcement programs of the Government, both state and federal levels, and develop -- and was part of the 22 23 formation of a group to be the first consultants in the country 24 to study and clean up federal Superfund sites for the Federal 25 Government, procured a couple of multi-hundred-million-dollar 01:47PM

1 contracts to be studying Superfund sites around the country. 2 So CDM at that time was a private business that had 3 a contract with -- with whom? The contracts that I was referring to are with the 4 Α. EPA and some with the Department of Defense, working on these 01:48PM 5 6 large federal Superfund sites. 7 Okay. And how long were you with CDM doing these Ο. site assessments for the EPA and others? 8 I was there just short of seven years. Α. Okay. And then where did you work, sir? 01:48PM 10 Ο. 11 I went to a small firm known as Rizzo Associates, Α. 12 R-i-z-z-o, located in the Boston suburbs. 13 Q. And what did you do there? I was hired there to develop a group at -- it was a 14 01:48PM 15 small consulting firm, and I was hired to develop a group to form the site assessment group and to conduct the assessments 16 and also to conduct remediation of contaminated sites. At the 17 18 same time, I ultimately became the chief operating officer of the company as well as doing the technical job that I had. 19 01:49PM 20 0. Okay. And where was Rizzo located? 21 Α. At first, a town called Natick, Massachusetts, but 22 12 miles west of downtown Boston. 23 And can you give us an example of the type of site 24 assessments you worked on at either CDM or Rizzo Associates? 25 Would you like an example, like a case study type of 01:49PM Α.

1 example? 2 Q. Sure. 3 And this is somewhat applicable to what we're Α. 4 talking about here. I worked for about a decade on a site in the Boston 01:49PM 5 6 suburbs that -- that made metal parts. They were -- they 7 extruded metal, which meant they took different types of metal, primarily aluminum, and formed them into different shapes. 8 they made dozens of different products. One they made a lot of, if you ever took the covers 01:49PM 10 11 off of your light switches and plugs, there's an aluminum thing 12 behind where all the wires are, they made those. They made 13 millions of them. They made parts that went into dashboards 14 and doors of cars and things. So what they did, they made these huge sheets of 01:50PM 15 16 aluminum and other metals and, through heat and cutting 17 processes, formed these different products that they made. 18 Oils were involved in that process. You need oils when you're going to be doing the forming and the cutting. And 19 01:50PM 20 so the parts they made would end up being greasy and oily at 21 the end. And they had to remove the grease and oils from the 22 products. 23 So they use what's called a vapor degreaser, which 24 is a machine or a piece of equipment in which a chemical 25 solvent is used to remove the -- those greases from the -- from 01:50PM

the manufactured parts. Then those greases and oils end up going into the solvent and -- which creates a sludge, which is the oils and some of the used-up solvent that has to be managed properly.

As a result of this operation and -- there are different types of degreasers. The one there was what's called a vapor degreaser, which also was at the Whittaker site. And what vapor degreaser does is -- or how it operates is heat is applied to the solvent which vaporizes it, much like you could

heat water and make it go into water vapor. And the part is

exposed to the vapor. And then that grease and oil dissolves,

and then the -- the solvent is recondensed and it takes out the

01:51PM 10

01:51PM

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12

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oils.

14

01:51PM

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222324

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01:52PM 25

The problem at the site I'm talking about that I worked up in the Boston area was that the -- this vapor actually got outside the degreaser pretty consistently, would get on the walls of the room, condense on the walls, form the liquid, and it would go down the walls through the crack in the flooring and go into the ground underneath.

Q. Let me --

A. They appeared not to have leaks in the system. They didn't appear to have disposal waste. But from years of investigation we did, we found that the only place that it entered the environment was through the cracks in the floor.

And the -- so we had to figure out the extent of the source.

1 It migrated downward into the ground, into the 2 water, into bedrock under the soil. It migrated onto the 3 neighboring property which, unfortunately, had a water supply well that belonged to the town where they resided. 4 The work I was doing there was -- was determining 01:52PM 5 6 the degree and extent of contamination, how it got from Point A 7 to Point B and evaluating means of mitigating the situation and negotiating with a number of different parties who had interest 8 in it, including that town. So that was just my -- my next question was -- and 01:52PM 10 11 so you were personally involved in that extrusion manufacture 12 with the vapor degreaser that you just described? Α. 13 Yes. Okay. Have you been involved in site assessments 14 01:53PM 15 for any military sites that made ammunition or other munitions? 16 Yes. Just related to the munitions of the military Α. 17 type sites? 18 0. Yes. I was involved with two sites in California. 19 01:53PM 20 was -- they were both involved in -- in rockets and missiles. 21 I can't recall because it's been a while whether there was any 22 ammunition, but there was rocket fuels and missiles involved, 23 manufactured at both locations. 24 One was a United Technologies facility, 25 United Technologies, a giant company that operates around the 01:53PM

1 world. And the other one was operated by Goodrich. 2 famous for tires than they are for missiles. 3 Okay. And those are projects, again, that you were Q. involved in the site assessment? 4 Yes. Excuse me. Yes. 01:54PM 5 Α. 6 And have you been involved in any projects that 7 involved TCE and the historical use of TCE at a particular 8 site? Α. I've been involved with -- in many dozens of TCE sites around the country over the last 40 years. There are 01:54PM 10 11 probably very few times when I didn't have some kind of a TCE 12 site on my dance card. And, first of all, what is TCE, in your experience? 13 Q. TCE is trichloroethylene. It ends with e-n-e which 14 01:54PM 15 is an important distinction because there's going to be one 16 that ends in a-n-e discussed in this case. It is a chemical The one that I did -- when I talked about the 17 solvent. 18 extruding operation, they used TCE as their -- their degreasing 19 solvent. 01:54PM 20 It's a chemical that is heavier than water, somewhat 21 soluble in water, and it is a very effective degreaser. And in 22 many cases, in my experience, it's the degreaser of choice for 23 degreasing metal parts. And I found in different work I've 24 done related to the Department of Defense, it has been required 25 as a contract term to be used on -- in certain manufacturing. 01:55PM

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1
                        And I didn't ask you this earlier. When you were
                  Q.
         2
            with the EPA, did you have any experience with TCE?
         3
                        Yes. There were some sites, particularly New Jersey
                  Α.
         4
             that I recall, in which we were evaluating the impacts of, I
            believe, some waste disposal areas and industrial facilities in
01:55PM
         5
         6
            New Jersey. And TCE was involved in some cases -- or it was
         7
            discovered in some cases and had -- and had to be -- the
            situation had to be assessed in the manner that I've described
         8
            earlier.
                        And so that -- you were with the EPA in the early
01:55PM
        10
                  Ο.
        11
             '70s?
        12
                        Correct. I got there in mid '73 and left at the end
                  Α.
            of '75.
        13
                        And so can you describe briefly whether you have any
        14
                  Ο.
01:56PM
        15
             experience with landfills?
        16
                        Yes. I've been working with different types of
                  Α.
        17
             landfills for over -- going -- actually, back into the days I
        18
            was at EPA, which would go back pretty close to 50 years now.
        19
            And I categorize them sometimes as informal and formal
            landfills.
01:56PM
        20
        21
                        Formal landfills would be something that was
        22
            designed to be a landfill, like maybe a municipality's landfill
        23
            where they would actually build a foundation possibly with a
             liner, building leeching -- leeching collection equipment,
        24
        25
            building a monitoring system, and also with plans for closure
01:56PM
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1 in the end. There are also what -- what I call informal 2 3 landfills where people just dispose of stuff. That was at the Whittaker site. It's been done at other locations that I 4 worked at. And I've -- I've had to assess those types of 01:57PM 5 6 situations for many years as well. 7 So what do you mean when you call it an informal Ο. landfill? 8 Α. That's my own term. It's one that wasn't designed 01:57PM 10 to be a landfill. There was no real engineering involved. It 11 was just a place where materials were -- were put. 12 Q. And do you have any experience, again, very briefly, 13 with groundwater modeling? 14 I do. I began studying groundwater modeling as part 01:57PM 15 of my master's program in 1972 and 1973. As I think I described when I worked for EPA, following that time, part of 16 17 my job was to develop groundwater and surface water models to 18 evaluate contamination conditions. 19 My Ph.D. thesis was on modeling of ground and 01:58PM 20 surface water systems. And I've been involved on and off in 21 mathematical modeling and evaluation of contamination 22 conditions ever since. 23 Has your work also touched on something called RCRA? Q. Α. 2.4 It has. 25 And what is RCRA? 01:58PM Ο.

- A. RCRA is the Resource Conservation and Recovery Act.
  - Q. And can you explain very briefly from the perspective of an environmental professional like yourself what RCRA is?
  - A. RCRA is a law that came out of the increasing concern over the -- about environmental contamination during the '50s, '60s, and '70s. The law was passed in 1976.

    Regulations pursuant to it weren't promulgated until 1980.

And I like to think of two parts of RCRA, large law -- large set of regulations to primary parts, the first being what's called the cradle-to-grave tracking of waste materials. Manufacturing operations -- RCRA applies to manufacturing operations, not to abandoned landfills or abandoned sites.

The -- and if waste materials are created, RCRA provides for or requires that those be tracked, those waste materials be tracked. Where are they created? Where are they stored? How are they stored? In what quantities? In what location in the facility? There are requirements where you store your waste in the facility. You have to meet certain government regulations. How long do you keep it there? You're only allowed to have certain types of wastes in a location for a certain amount of time. How is it disposed? Did it follow regulations? Did it go to a licensed facility? What's the paper trail for documenting that each one of those steps took

01:58PM

01:59PM

01:59PM

01:59PM

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1
            place? That's what I call the cradle-to-grave aspect.
         2
                        The other aspect of RCRA is the -- the outside
         3
            environment at a RCRA site that -- this is -- this is --
         4
             really, it follows the site assessment process that I testified
             about a little while ago.
02:00PM
         5
                        There are -- there are areas on a RCRA site that may
         6
         7
            have become contaminated as a result of the activities on the
         8
             site, that those would be investigated. And if contamination
             is found to exist, a series of phases, like I described on the
             site assessment, would be conducted to determine the extent,
02:00PM
        10
        11
            whether it needs to be cleaned up and followed through to the
        12
            cleanup when necessary.
        13
                        And are there any key provisions or aspects of RCRA
             that have impacted the work you've done over the last -- well,
        14
02:00PM
        15
             since RCRA was adopted 40 years ago?
        16
                        MR. BLUM: Vague as to time.
        17
                        THE COURT: Overruled.
        18
                        THE WITNESS: Aspects of the regulations or aspects
        19
            of implementation?
02:01PM
        20
                  Ο.
                        (BY MR. RICHARD:) Sure. Just trying to give the
        21
             jury a sense of this big statute.
        22
                        Are there any provisions that -- or aspects of it
        23
             that have impacted the work you do or that come up, you know,
        2.4
             in every case?
        25
                        Yes. One thing that consistently comes up is that
02:01PM
                  Α.
```

1 the -- the process starts -- and this is the second process, 2 not the cradle-to-grave part I was talking about, the assessment process -- with an application called a Part A 3 application in which the information is provided on those areas 4 to the site that are being or going to be investigated, and 02:01PM 5 6 then those different phases of assessment undertaken. 7 What is critical that I found over the years is that the applicant be forthcoming and fully -- and disclose fully 8 the information related to the location, allowing -- like I said, they're applying to the government -- which allows the 02:02PM 10 11 government to adequately regulate the -- regulate the site and 12 hopefully bring it to closure. 13 If the applicant, the industry, whoever it is, does not give full disclosure, then the government doesn't have the 14 02:02PM 15 information it needs to -- to regulate the site properly. And we want to be showing some documents, I believe, that 16 17 demonstrates that Whittaker did -- at its site did not fully 18 disclose information they had to the Government. 19 My question is, so in -- how many times would you 02:02PM 20 say over the last 40 years you have become familiar with the 21 Part A application from the applicant, that is, the owner or 22 operator of a site with potential contamination? 23 Α. Oh, that's really hard to estimate. Maybe a couple 24 dozen times. 25 Okay. And in your experience, for the work you do, 02:03PM Ο.

```
1
             what part of the application have you become most familiar
         2
             with?
         3
                        The Part A application?
                  Α.
                        Yes, sir.
         4
                  Ο.
                        It's disclosing the -- the use -- the types of
02:03PM
         5
         6
             operations, uses of the property that could result in the
         7
             contamination of the property.
                        Okay. And sometimes do those Part A applications
         8
                  Q.
             call for information about landfills or potential landfills at
        10
             the site?
02:03PM
        11
                  Α.
                        They do.
        12
                        And in a site investigation, how do you keep track,
                  Q.
             for the ones you've worked on, where the contamination or
        13
        14
             suspected contamination might be?
02:03PM
        15
                        How to keep track of it? I'm not sure I understand
             the question. But it --
        16
        17
                        Well, sure.
                  Q.
        18
                        By going through the phased process I was talking
                  Α.
        19
             about.
02:03PM
        20
                  Q.
                        Okay. Let's start there.
        21
                        Before you know whether there are areas that are
        22
             contaminated, what do you call those areas?
        23
                  Α.
                        Oh, they could be called areas of concern.
        24
             might be called salvage management units. It depends on where
        25
             you are and what process you're in when you're doing the
02:04PM
```

```
1
             assessment. But under RCRA, they become salvage management
         2
             units. I think I understand the question now.
                        The different operations on a property or at a
         3
         4
             facility that could lead to contamination, it could be
             somewhere where there's a lagoon or impoundment. It could be a
02:04PM
         5
         6
             landfill. It could be a place where waste was just dumped.
         7
             There are different types of operations that could lead to
         8
             contamination, and those are what -- the things that I would, I
             guess, keep track of in assessing the site.
                        You mentioned -- you used the phrase "areas of
02:04PM
        10
                  Ο.
        11
             concern."
                        Is that what you were just describing?
        12
                  Α.
                        Yes.
                        Okay. And if we could -- I think rather than use a
        13
             foam board, we'll just call up Exhibit 123, which is a
        14
02:05PM
        15
             stipulated exhibit.
        16
                        (Exhibit 123 received into evidence.)
        17
                        (BY MR. RICHARD:) Can you see Exhibit 123, this
                  Q.
        18
             graphic called "Areas of Concern and RCRA Locations"?
        19
                  Α.
                        I can, yes.
02:05PM
        20
                  Q.
                        And what is -- again, just very generally, what does
        21
             this type of map regarding areas of concern tell us when you're
        22
             involved in a site inspection?
        23
                        Well, this would be a -- a very good product to have
                  Α.
        24
             at the end of what I was talking about, that first phase of
        25
            assessment, which is to -- having looked at the records related
02:05PM
```

```
1
             to the facility -- I'm looking at the history of the
         2
             facility -- to identify areas that are -- as they're
         3
            categorized here, areas of concern.
         4
                        In this case -- this is the Whittaker site, by the
            way. And there are 70 -- there's numbers up to 77, but there
02:05PM
         5
         6
             are couple that are 1-A, 1-B, 1-C. There are over 80 areas
         7
            here that are areas of concern based on the history and the
            records that are available that deem -- that -- there was
         8
            enough concern to take the next step and determine whether or
02:06PM
        10
            not those actually resulted in contaminating the property.
        11
                        And -- okay. Thank you. And we'll return to that,
        12
            but we can take that down.
                                         Thanks.
        13
                        And before we turn to the work you've done in this
            case, can you tell us whether you've been recognized as an
        14
02:06PM
        15
             expert in any state or federal courts in the country?
        16
                        I have.
                  Α.
        17
                        And on more than one occasion?
                  Ο.
        18
                  Α.
                        Yes.
                        And starting with federal courts, can you give us an
        19
                  Q.
02:06PM
        20
            example of federal courts where you've testified as an expert
        21
            on environmental issues?
                        I believe these are all federal. I'm not sure
        22
        23
            because, when I'm sitting in a room like this, it's -- it could
        2.4
            be federal. It could be state.
        25
                        In Massachusetts and in a number of locations, I've
02:06PM
```

```
1
             testified, including the federal court there in New York,
         2
            New Jersey, Ohio, Wisconsin, Chicago.
         3
                        Okay. And when were you first recognized as an
                  Q.
         4
             expert in a court?
                        First time I testified at trial was in the -- the
02:07PM
         5
         6
            mid 1990s.
         7
                  0.
                        Okay. And what types of issues were involved in
             that?
         8
                  Α.
                        That was a -- part of the case I was -- I was
             testifying in was a -- the standard of care for a consultant --
02:07PM
        10
        11
             conducting a site assessment, whether they -- their procedures
        12
            were consistent with the standard of care in the industry.
        13
                  Q.
                        Okay. So you've been investigating and sometimes
             testifying about site assessment issues for many decades now?
        14
02:07PM
        15
                  Α.
                        Yes, I have.
        16
                        You're getting to be an old-timer. Sorry.
                  0.
        17
                        More gray hair up there every day.
                  Α.
        18
                        Can you tell us, sir, the work -- first of all, what
                  0.
            was your assignment or the scope of your assignment in this
        19
            particular case?
02:08PM
        20
        21
                  Α.
                        In this case, I was asked to look at, first, the
        22
            history of -- and this all relates to the Whittaker site. I
        23
            was asked to look at the history related to the operations on
        24
             the property, related to contamination of the property to the
        25
            extent that it existed.
02:08PM
```

```
1
                        I was also asked to look at the -- the data related
         2
             to soil -- primarily soil, groundwater, and soil vapor quality
         3
             from samples collected by consultants, primarily to Whittaker.
                        And finally, I was asked to evaluate the --
         4
            Whittaker's waste handling disposal practices.
02:08PM
         5
         6
                        Okay. And can you tell us what -- what work you did
         7
             in this case to try to address those issues?
                              I -- I reviewed a lot of documents. I would
         8
                  Α.
                        Yes.
            have liked to have more complete set of records, but I didn't.
        10
            So I -- I reviewed correspondence within Whittaker, between
02:09PM
        11
            Whittaker and regulatory agencies. I reviewed testimony of
        12
                                                                           Ι
            Whittaker employees who were deposed as a part of the case.
        13
             reviewed technical documents, meaning site assessment type
            documents where they went through the different phases of site
        14
            assessments that I talked about from the -- from the evaluation
02:09PM
        15
             of the history right through collecting samples and doing
        16
        17
             cleanup at the site. And I looked at historic literature
        18
             related to the -- the industry knowledge of the impacts of
            waste disposal on the environment and particularly in Southern
        19
02:10PM
        20
            California. And I also looked at some of the ordinances and
        21
             laws passed related to contamination.
        22
                        Okay. Did you do -- prepare any documents in this
                 Q.
        23
            case?
        24
                        Yes. Well, after I did all those things I just said
        25
            and looked at all this information, I applied my training,
02:10PM
```

1 education, experience and prepared two expert reports in the 2 case. 3 And you just said a minute ago you would have liked Q. to have more complete set of records. What did you mean in 4 that regard? 02:10PM 5 Many of the industrial site -- site assessment 6 7 projects I've been involved with, there are records available, including things like what I just described, with the cradle to 8 grave and RCRA, of how wastes were generated, stored, handled, 10 disposed of. There are frequently records of what -- what 02:11PM 11 chemicals were purchased and how they're used in a facility, 12 where they're used in a facility, how they're stored, how they're managed. 13 14 You need to slow down, Dr. Hughto. 0. 02:11PM 15 Α. Sure. 16 0. Just a little bit. I can't be the only one who's 17 having a hard time. So --18 There are frequently operating records which an operator of a facility, meaning the person who operates it, is 19 02:11PM 20 taking notes on what happens, you know, created these products 21 today, had a spill over here, purchased so much TCE today, 22 things like that, that allow you to track what went on over 23 time and understand what processes went on at different points 24 in time, what chemicals were used, what wastes were handled, 25 02:11PM how they were handled, where, and so on.

1 I didn't have any of those. And based on what I 2 know, they were not produced so that I had them available to 3 me. And for other sites you've worked on involving 4 0. other, you know, businesses owning property that was suspected 02:12PM 5 6 of contamination that was involved in manufacturing, were you 7 able to observe operational records of those manufacturing 8 operations? Α. Yes. And would that sometimes include daily logs? 02:12PM 10 Ο. 11 Α. It would. 12 And you mentioned purchase of chemicals. Would that Q. include purchase of chlorinated solvents? 13 14 Α. Yes. 02:12PM 15 And what types of records have you seen at other Q. facilities, other site assessments you've been involved in, 16 17 that would tell us what chlorinated solvents were purchased and 18 over what period of time? What are those records called? 19 Well, they could be purchase orders. They could be Α. 02:12PM 20 invoices. They could be notes in a daily log to tell you that, 21 you know, 5,000 gallons of TCE arrived today. It could be any 22 of those, and there are probably other methods. 23 Okay. And in your experience, when you're either 24 working for or you're involved in a site, do state and federal 25 regulators often ask for those same types of records you just 02:13PM

	1	listed?
	2	A. My experience has been that they do.
	3	Q. And in the materials you reviewed in this case, did
	4	you see requests from state and federal regulators for the same
02:13PM	5	types of records you just listed?
	6	MR. BLUM: Vague.
	7	THE COURT: Overruled.
	8	You can answer.
	9	THE WITNESS: I did see that type of request.
02:13PM	10	Q. (BY MR. RICHARD:) And what was the upshot of
	11	let's start with state regulators requesting records of
	12	Whittaker.
	13	A. As far as I know, the types of records that I just
	14	described that I don't have, they didn't receive them either.
02:13PM	15	Q. And in the records you reviewed, was Whittaker ever
	16	cited for failing to provide records to the state regulators?
	17	A. I believe they were.
	18	Q. And you mentioned I think you said disposal. But
	19	for the solvents or other chemicals that would be disposed of
02:14PM	20	in the other site sites that you've assessed, what types of
	21	records would reflect disposal practices?
	22	A. Again, daily operating type logs that let's say,
	23	created so much of this type of waste of today, put it into
	24	barrels, put it in the hazardous waste storage area, things
02:14PM	25	like that.

1 Also, there are labels that go -- go into -- into 2 these types of storage areas. There are manifests, which are formal documents, that track everywhere a waste goes once 3 it's going to leave a facility, going to its final resting 4 Those are all methods for finding out what happens with 02:14PM 5 6 waste. 7 And did you see any of those daily logs or manifests Ο. 8 or other records that would tell us on a daily, weekly, monthly basis or yearly basis what happened to the waste containing chlorinated solvents at the Whittaker site? 02:15PM 10 11 I have not seen those types of records for the 12 Whittaker site. 13 Q. In your experience, would those types of records have existed for a site making missiles and munitions and 14 02:15PM 15 things of that nature? 16 My opinion is those types of documents would have 17 existed in some form at -- for this type of -- for the 18 Whittaker facility. Okay. And in terms of the work you did in this 19 20 02:15PM case, can you give us a sense of the time period you've -- you 21 tried to focus on? 22 Yes. I focused on the time period from the early 23 1940s through the -- as far as the operations are concerned, 24 through the closers -- closure of the facility in 1987. 25 Q. And for the period after the closure, did you review 02:16PM

```
1
            any types of records regarding the Whittaker site?
                              I -- I reviewed a number of documents that
         2
                        Yes.
         3
            were generated and covered activities conducted after the
         4
            closure of the facility.
                        Can you give us an example? You mentioned
02:16PM
         5
         6
            something, SVE, earlier. What is that?
         7
                        SVE is soil vapor extraction. That is a technique
                 Α.
            for removing -- or remediating or removing volatile organic
         8
            compounds from soil at a property. Volatile organic compounds
        10
            are organics, obviously. But volatile means that they will
02:16PM
        11
            move into the air. Like when you fill the gas tank up in your
        12
            car, you start to smell the gas. That's because some of those
        13
            constituents in the gasoline are volatile. That's what you're
        14
            smelling. They got exposed to the atmosphere and --
02:17PM
        15
                        THE REPORTER: Excuse me. Can you please slow down?
        16
                        THE WITNESS: I'm sorry. They get exposed to the
        17
            atmosphere, they evaporate, which is what volatilizing is.
        18
                        When there are volatile organic compounds like TCE,
        19
            PCE that were used at the Whittaker site are in soil, one
02:17PM
        20
            method -- and soil is about one-third air. If you take soil,
        21
            there is -- you have all the soil particles, but there's air
            space in between the soil particles in -- roughly speaking, 30,
        22
        23
            35 percent of that soil, depending on the type of soil, is air.
                        Those volatile -- let's just say TCE, the soil is
        24
        25
            contaminated with TCE. Some of it will evaporate into what
02:17PM
```

1 they call pore spaces or air space in the soil. 2 Soil vapor extraction is a pretty simple technology. 3 All you do is suck the air out of the ground. The air has those chemicals that volatilized in it. And as you take 4 contaminated air out, clean air moves in, you supply clean air 02:18PM 5 6 from the sides, and that becomes contaminated. And you keep 7 that vacuum process running until you reach an objective for 8 cleaning up that portion of the site. (BY MR. RICHARD:) And you said you looked at the Ο. 10 activities at the site from roughly the early 1940s until it 02:18PM 11 closed in 1987. What type of activities were occurring at the 12 site in terms of manufacturing? Let's start there. Yes. There was manufacturing of ammunition for 13 Α. World War II, to the military up through the Vietnam War. 14 There are also other -- there were fuses and switches related 02:18PM 15 to different products, defense products that were created 16 17 there. There was some fireworks and other, I'll say, exploding 18 devices that were manufactured. 19 An example was about a hundred million round --02:19PM 20 rounds of ammunition, 20-millimeter rounds of ammunition were 21 created or manufactured at the facility. A hundred million of them. 20 millimeters is a little less than an inch. 22 23 Okay. And did you consider whether any of those 24 types of manufacturing processes generated waste or something 25 called industrial waste? 02:19PM

1 The -- part of the process is -- and again, in Α. Yes. 2 creating the metal parts of ammunition, you have -- again, 3 actually, there was testimony that said that some of the --4 some of the components that were utilized on the property were manufactured elsewhere and shipped to the property in grease. 02:19PM 5 6 So these different components from offsite manufactured onsite 7 would have oils and greases on them that would need to be 8 degreased using a degreaser like I described earlier. There also would be -- there were processes that --02:20PM 10 were propellants that were in the missile products that were 11 The propellants make things go, so to speak. 12 have -- they had some sort of an age limit on them where 13 they're not as effective after a certain age and was required to change it out. Those -- that propellant, that fuel would be 14 02:20PM 15 taken out and, I assume, replaced. And that waste product would have to be disposed. 16 17 And that, actually, process took -- took place on 18 the ground with the -- high-pressure water would be applied to 19 these -- to these parts to flush the propellant out. 02:20PM 20 Ο. Does that particular process have a name, the one 21 you just --22 Called "hog out." Α. 23 And were you generally familiar with the types of 24 environmental waste created by the processes at the Whittaker 25 02:21PM site from your work in other cases and other site assessments?

	1	A. Yes.
	2	Q. And are you familiar with something called
	3	"perchlorate"?
	4	A. I am.
02:21PM	5	Q. And what is perchlorate?
	6	A. Perchlorate is a the propellant I was just
	7	talking about is a component of a propellant that I was just
	8	talking about. It's an oxidizer. Some of these operate
	9	some of these propellants operate in the absence of oxygen,
02:21PM	10	it provides the oxygen. You need oxygen to make things go boom
	11	or to explode. And perchlorate is a component of the
	12	propellants that will do that.
	13	Q. And for this same time period, the early '40s
	14	through 1987, did you evaluate guidelines and rules for waste
02:21PM	15	handling in California?
	16	A. I did.
	17	Q. And what did you review in that regard?
	18	A. I reviewed literature related to literature that
	19	was created related to environmental contamination and impacts
02:22PM	20	on groundwater. So I reviewed some legislation that was
	21	created in California.
	22	Q. And can you give us an example, when you say
	23	legislation, what you're referring to?
	24	A. Yes. In there were two laws that were very early
02:22PM	25	on in 1907 and 1917 that were passed that required that, in

1 order to dispose of waste on soil that -- where -- that -- that 2 would allow this waste to percolate into underlying water supply water, not very artfully stated, but that you -- that 3 4 would require a permit from the state. And that -- that pertained to, you said, 02:22PM 5 6 groundwater? 7 Α. For -- yeah, waste that could cause percolation of 8 the waste materials into groundwater. And what's percolation? Q. Percolation is essentially just vertical migration 02:23PM 10 11 of -- of water into the ground. Pour a bucket of water on the 12 ground, it disappears because it goes down into the soil and 13 actually occupies those air spaces I was just talking about. 14 So let's start there. For the period at the turn of 02:23PM 15 the last century, so around 1900, you know, plus or minus, at that time, what -- what literature did you review regarding the 16 17 connection, if any, between waste on the ground and percolation 18 to the groundwater? There is one paper, professional paper, gentleman's 19 02:23PM 20 last name is Shelton, that was published in 1899. And 21 Mr. Shelton was involved in the manufactured gas industry which 22 produces -- essentially took coal and made gas out of it to do 23 what we use natural gas for today. It's an industry that 24 creates a lot of waste and byproducts loaded with contaminants. 25 Mr. Shelton studied what the -- the nuisances and 02:24PM

```
1
             the liabilities, as he states it, related to those -- to those
         2
            waste products in the environment.
         3
                        And I'm just reading from my report here because I
         4
            don't commit everything to memory.
                        Some of the nuisances and potential liabilities that
02:24PM
         5
         6
            he identified was pollution of private wells adjacent to a
         7
            property, pollution of state streams, pollution of rivers used
         8
             for water supply in cities, and emission of noxious fumes.
                        So in 1899, there was a professional paper by
             somebody who has identified these types of nuisances and
02:25PM
        10
        11
            potential liabilities related to waste disposal.
        12
                        MR. BLUM: Your Honor, this is a narrative.
                        THE COURT: Sustained.
        13
                        MR. RICHARD: I'll ask another question, but thank
        14
02:25PM
        15
            you for that explanation.
        16
                  0.
                        (BY MR. RICHARD:) Fast-forwarding to the -- to the
             1940s. Was there other literature -- or '40s and '50s. Can
        17
        18
            you summarize for us the other literature you reviewed, sir?
                              I have a number of different pieces of
        19
                  Α.
02:25PM
        20
             literature that I'll -- would you like me to read from the
        21
            report some of these things? Want to put it on the screen?
        22
            How would you like to operate that?
        23
                        I think in the interest of time, just briefly give
        24
            us a sense of some of the different things you looked at in
        25
            terms of literature from the '30s, '40s, '50s, without going
02:25PM
```

```
1
             into great detail.
         2
                  Α.
                        Okay.
         3
                        MR. BLUM: Your Honor, I would request if the
            witness is reading from his report, that he tell us where.
         4
                        (BY MR. RICHARD:) Well, that's right. Can you do
02:26PM
         5
                  Ο.
         6
             that, sir?
         7
                  Α.
                        I'm sorry. What was that?
                        If you're going to cite to something in your report
         8
                  Q.
         9
             that you didn't commit to memory, can you just let us know what
02:26PM
        10
            page of your report?
        11
                  Α.
                        Sure. This is my original report, and I'm on
        12
            page 9.
        13
                        Near the top, there's a paragraph that begins
        14
             "Thomas." Dr. Thomas, named Harold Thomas, was a professor at
            Harvard, wrote a book called "The Conservation of Groundwater"
02:26PM
        15
             in which he was identifying -- he wrote the book in 1951. It
        16
            was published in 1951. So the work certainly precedes that
        17
        18
             time.
        19
                        And he discusses the -- that such -- the
02:26PM
        20
             contamination -- that "recharging the ground, such
        21
             contamination is likely to become more common unless adequate
        22
            precautions are taken to prevent recharge by contaminated
        23
            water." And in doing his work, he cited case studies in
            California.
        2.4
        25
                        Again, I studied a lot of different literature to do
02:26PM
```

```
1
             this, and I'm only going to cite here some of the things that
         2
             relate to Southern California, that there are more -- other
         3
             articles in publications than just these.
         4
                        There's -- following paragraph, Counsel, the --
             there was an article in a journal called Wastes Engineering in
02:27PM
         5
         6
             1953 that called underground water more -- I'm sorry --
         7
             "pollution of underground water and more serious than that of
             surface water because subterranean water movement is slow," and
         8
             it goes on from there.
                        That paper also said -- it was presented in an
02:27PM
        10
        11
             article about Southern California conditions, including the
        12
             Santa Clara River, which is proximate to the Whittaker site.
                        Next one I'm going to mention is at the top of
        13
                       It's a USGS study. The USGS is the United States
        14
02:28PM
        15
             Geological Survey who for many decades have been the
             Government's -- I think it's a government agency or
        16
        17
             quasi-government agency that is an authority on geology,
        18
            hydrogeology that is a frequently used resource in our country.
        19
                  Q.
                        Is that a resource you've used in other engagements,
02:28PM
        20
             sir?
        21
                  Α.
                        It is.
                                And widely used not just by me but by people
        22
             in my industry across the country.
        23
                        Okay.
                  Q.
        24
                        There was a study published in '63, 1963, about
        25
             groundwater contamination and legal controls in Michigan. And
02:28PM
```

```
1
             the reason I'm mentioning it is that it also cites conditions
         2
             in Southern California.
         3
                        When you refer to conditions in Southern California,
                  Q.
         4
             what are you talking about?
02:28PM
         5
                        That -- the paper was more about contamination and
         6
             legal controls in Michigan, but the author has also discussed
         7
             conditions in Southern California.
                        Okay. And that's probably sufficient. If we need
         8
                  Q.
             to come back, I can let you know.
                        But can you give us a general sense as to how these
02:29PM
        10
        11
            materials that you reviewed, those older laws and ordinances
        12
             and the literature and the like, how -- can you tell us what
        13
             your conclusions are with respect to how those studies and laws
             impact your work in this case, in other words, your conclusions
        14
02:29PM
        15
             as to appropriate waste handling practices at the Whittaker
        16
             site.
        17
                        Yes. The -- by considering the knowledge in the
                  Α.
        18
             industry at the time and -- I know you said that was
        19
             sufficient, but there was one -- also one other reference
02:29PM
        20
             that --
        21
                        MR. BLUM: Your Honor --
        22
                        THE WITNESS: -- referenced --
        23
                        THE COURT: Sustained.
        24
                        Please answer his question.
        25
02:29PM
                        THE WITNESS: Yes. That -- it was widely known to
```

```
1
             industry, to the Government, and in the general public based on
         2
             the literature that I've reviewed, that -- that dumping waste
            on the ground could impact groundwater and surface water.
         3
            were passed beginning 1907 in California to address those
         4
            potential issues.
02:30PM
         5
         6
                        So at the -- and fast-forward to this 1940s to the
         7
             1987 period, Whittaker operations, at the Bermite-Whittaker
         8
             site, my opinion, the proper waste handling practices would be
            not to place waste in the environment in a way that it could
             impact -- directly impact the soils, groundwater and surface
02:30PM
        10
        11
            water, methods such as dumping on the surface of the ground.
        12
                  Q.
                        (BY MR. RICHARD:) And did you see any evidence as
             to Whittaker's own policy regarding dumping waste onto the
        13
        14
            ground?
02:30PM
        15
                        I did. At least two Whittaker employees, I believe
                  Α.
        16
            Mr. Luce, L-u-c-e, and Mr. Jisa, J-i-s-a, testified that
        17
             that -- that dumping of wastes and burying of wastes were --
            were prohibited --
        18
        19
                                  Objection, Your Honor. There's no
                        MR. BLUM:
02:31PM
        20
             connection to what we have here.
        21
                        THE COURT: Overruled.
        22
                        (BY MR. RICHARD:) So I was asking about evidence as
                  Q.
        23
             to Whittaker's policy regarding waste handling.
        24
                  Α.
                        And there was one more. There's -- several
        25
02:31PM
            witnesses testified that they followed the DOD, Department of
```

```
1
             Defense, manual for practices. The 1968 manual, DOD manual for
            practices -- I believe "prohibited" is the correct word -- of
         2
         3
             dumping waste materials on the ground surface.
         4
                  Ο.
                        Okay. And did you review that DOD manual or parts
             of it for your work in this case?
02:32PM
         5
         6
                  Α.
                        I did.
         7
                        And did that also address percolation or the
                  0.
            potential from percolation from the ground to -- groundwater
         8
             sources of drinking water?
        10
02:32PM
                  Α.
                        Yes.
        11
                        Did you find any evidence that Whittaker had an
        12
             actual environmental manual?
                        I have seen no environmental manual that was
        13
                  Α.
            published by Whittaker itself.
        14
02:32PM
        15
                        Did you see any evidence that they had no such
                  Ο.
        16
            manual?
        17
                  Α.
                        Have I seen evidence that they had no manual?
        18
                        THE COURT: Rephrase the question.
        19
                        MR. RICHARD: Yes, Your Honor.
02:32PM
        20
                  Q.
                        (BY MR. RICHARD:) You personally didn't see any
        21
             evidence of Whittaker ever having an environmental manual. Did
        22
             they have any other types of manuals that you reviewed?
        23
                  Α.
                        Well, I -- I think I testified a little bit earlier
        24
             about things that I did not see. I have not seen any manuals
        25
02:33PM
             for the handling of waste that I can recall that were authored
```

1 by Whittaker. 2 Okay. And before we rest for the afternoon or take 3 a break, can you tell us, now that you've described your background and the various materials you reviewed in this case, 4 can you just share with us the areas where you reached 02:33PM 5 6 conclusions without going into detail? Just give us a sense of 7 the areas that you reached conclusions on regarding the Whittaker site. 8 Α. Yes. I've reached conclusions on the waste handling practices of Whittaker, on the correlation of the environmental 02:33PM 10 11 data, the results of the soil and groundwater sampling with the 12 waste handling practices, and also I've drawn conclusions 13 related to Whittaker's interactions with the regulatory 14 agencies. 02:34PM 15 Okay. And with respect to that first area, Whittaker's waste handling practices, can you -- did you reach 16 17 any conclusions as to whether Whittaker followed its own policy 18 for waste handling? 19 THE COURT: We're actually going to break at this 02:34PM 20 point. 21 So it's now past 2:30. It's 2:34. So we are going 22 to break for the day. 23 Please remember, do not speak to anyone about the 24 case, the people, or the subject matter involved. Continue to 25 keep an open mind. 02:34PM

```
1
                        Please return tomorrow at 8:30 when we will start,
         2
             so before 8:30 so that we can start at 8:30 sharp. We'll see
         3
             you then. Thank you.
         4
                        THE COURTROOM DEPUTY: All rise for the jury,
02:34PM
         5
            please.
         6
                        (Out of the presence of the jury:)
         7
                        THE COURT: Please be seated.
         8
                        We're outside the presence of the jury.
         9
                        You may step down, Dr. Hughto.
                        We will begin our afternoon session in 15 minutes.
02:35PM
        10
        11
             So we'll break for 15 minutes. It's now 2:35. We'll --
        12
             everyone's ordered back here at 2:50.
        13
                        And the first thing we're going to talk about and
        14
            maybe the only thing we'll talk about is the bench trial. And
02:35PM
        15
             if there's evidence to be presented to the Court this
             afternoon, the plaintiff will start by presenting that
        16
        17
             evidence.
        18
                        If there's not, we'll talk about making sure that
        19
            you do have witnesses available starting fairly soon so that we
02:35PM
        20
             can fit that in and make the afternoon productive.
        21
                        Also, I believe I only have the witnesses that
        22
             extend through Dr. Hughto; although, I haven't fully checked.
        23
            Do we have additional witness and witness binders with
        2.4
             challenged or even unchallenged evidence?
        25
02:36PM
                        MR. RICHARD: Yes, Your Honor. We've identified, I
```

```
1
            think, Mr. Lardiere. We've identified the video for
         2
            Mr. Peloquin.
         3
                        THE COURT: Have you provided those -- those binders
            to Mr. Cruz?
         4
                        MR. RICHARD: I haven't personally. I believe
02:36PM
         5
         6
            they -- I'd have to check.
         7
                        THE COURT: All right. So who are the additional
            witnesses that you have prepared and provided binders for?
         8
                        MR. RICHARD: I believe it's Mr. Lardiere and then
            we have a binder for Mr. Peloquin. I don't know if that was
02:36PM
        10
        11
            included in the binder for Mr. Lardiere.
        12
                        THE COURT: And when do you anticipate getting to
        13
            your next witness after Dr. Hughto?
                        MR. RICHARD: Tomorrow afternoon.
        14
02:37PM
        15
                        THE COURT: All right. And your next witness is
        16
            Eric Lardiere?
        17
                        MR. RICHARD: Yes.
        18
                        THE COURT: All right. We'll be in recess, as I've
            indicated, until 2:50. I'll see everyone in a few minutes.
        19
02:37PM
        20
                        MR. RICHARD: Thank you, Your Honor.
        21
                        (Break taken.)
        22
                        THE COURT: On the record in Santa Clarita Valley
        23
            Water Agency versus Whittaker. We're outside the presence of
        2.4
            the jury. We have counsel representing both parties.
        25
                        The first item of business is the bench trial. And
03:02PM
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1
             the parties did provide the Court, after we had a discussion
         2
             about the contours of the bench trial, with their respective
            positions. And it appears that the parties are not in
         3
         4
            agreement as to the scope of the bench trial. And it appears
             the only thing they agree upon is that there will be two
03:02PM
         5
         6
            witnesses, Jeffrey Zelikson and Peter Mesard, M-e-s-a-r-d, who
         7
            would testify at the bench trial. And then there is disputes,
         8
            as I understand it, about Daniel Shoup, Steven Luis, or Luis,
            Duane Steffey, S-t-e-f-f-e-y, Gary Hokkanen, H-o-k-k-a-n-e-n,
        10
             and Richard Slade.
03:03PM
        11
                        So what I'm inclined to do, I'll hear from the
        12
            parties, is just to start having these witnesses come in the
        13
            afternoon and we'll have a discussion each day about who's --
            whether I'm going to let a witness testify in the scope of it.
        14
03:03PM
        15
             It appears the parties are continuing to fight over the Court's
             orders concerning the JMIL, at least with regard to
        16
        17
            Daniel Shoup.
        18
                        So tell me when Mr. Zelikson, whether he's available
        19
             tomorrow afternoon.
03:03PM
        20
                        MR. RICHARD: He is not available because he's
        21
            having -- he's in the hospital with a medical procedure
        22
                       We just verified that with him. He previously told
        23
            us he wasn't available, and I just confirmed why.
        24
                        So the only question -- so in terms of plaintiff's
        25
            case, Your Honor, Mr. -- there's no dispute as to the witnesses
03:04PM
```

1 we would call in our case. So unless Your Honor is 2 anticipating having defendants call, you know, the NCP witnesses or the bench portion while we're still in plaintiff's 3 portion of the trial case --4 THE COURT: I am inclined to do that. 03:04PM 5 MR. RICHARD: Oh. Okay. Then, you know, for the 6 7 other witnesses beyond Mr. Mesard, those witnesses have some 8 testimony that is probably relevant to both the jury and the bench. I don't have strong feelings if they want to present information to the jury that doesn't relate to the common law 03:04PM 10 11 claims, you know, that's up to the Court and counsel. 12 The more serious concern we have is that if the 13 witnesses have already been -- like Mr. Shoup, you know, precluded from testifying, absent some further showing that 14 03:05PM 15 hasn't been made, that's my only concern, is let's stay within the lines of -- of the Court's prior rulings and not try to 16 17 creep around those. 18 That concern diminishes or evaporates if those 19 witnesses are solely testifying. In other words, if they're 03:05PM 20 solely testifying in the bench portion of the case, the fact 21 that Your Honor excluded Mr. Shoup, for example, and his 22 speculations, if they want to present that evidence to the 23 Court, you know, I have no objection to that. But to -- to 24 resuscitate that and present that to the jury. So that's --25 THE COURT: Let me turn to Mr. Blum. 03:05PM

1 I am not going to be inclined to give further 2 consideration to issues that I've already decided. And so what 3 I am -- Mr. Blum, don't interrupt the Court. 4 MR. BLUM: Sorry. So it doesn't mean that I'm unwilling to 03:05PM 5 THE COURT: 6 have you present these witnesses to the Court. And you can 7 explain, for example, with Daniel Shoup why he does fit within 8 the scope of the Court's order. I didn't entirely preclude Mr. Shoup. I left open the possibility that you would have a chance to provide the 03:06PM 10 11 Court with an offer of proof to show that there was additional 12 information that he could provide that would enable his 13 testimony to be admitted. But you're going to have to do that by bringing him into court, and you're going to have to bring 14 03:06PM 15 him into court pretty soon. 16 MR. BLUM: Your Honor, I'm not sure what the problem 17 They're the ones that listed all these other ones, not me. 18 I have no intent to call Mr. Shoup right now or -- or 19 Mr. Hokkanen in the bench trial. That's not my designation. 03:06PM 20 The only person we intend to call is Mr. Mesard. And I told 21 plaintiff's counsel that the only reason Mr. Shoup was on the 22 list was because there was an opening depending upon an offer 23 of proof and that we would tell them if we thought that there's 2.4 been a sufficient foundation. We haven't told them because --25 03:07PM THE COURT: All right. Let's do it this way to be

```
1
            most productive. So both sides -- or the plaintiff intends to
         2
             introduce Jeffrey Zelikson only in the bench-only portion of
             the trial. Correct, Mr. Richard?
         3
         4
                        MR. RICHARD: Yes, Your Honor.
03:07PM
         5
                        THE COURT: And, Mr. Blum, you intend to introduce
            Peter Mesard as essentially the counterweight to Mr. Zelikson.
         6
         7
             Is that right?
         8
                        MR. BLUM: Yes, sir.
         9
                        THE COURT: Do you anticipate calling anybody else
             in the bench trial other than Mr. Mesard?
03:07PM
        10
        11
                        MR. BLUM: Your Honor, with the only caveat, if
        12
            there's a change in the way the evidence and evidentiary
        13
             rulings have gone, but absent that, no.
        14
                        THE COURT: You'll have to explain that to me
03:08PM
        15
            because this is the bench trial. And --
        16
                        MR. BLUM: I understand.
        17
                        THE COURT: -- we know what the issues are.
                                                                      So
        18
             there's nothing that should occur, I think, in the course of
        19
             the jury trial that would impact the evidence that will be
03:08PM
        20
            presented to me. But maybe I'm missing something, which is
        21
            possible that you can explain.
        22
                                   No, Your Honor.
                                                    There's a lot of the
                        MR. BLUM:
        23
             issues in the issues that you have to resolve that overlap with
        24
             the issues the jury has to resolve, like all the causation
        25
03:08PM
            evidence and things of that sort. You have a causation
```

1 determination to make independently of the jury. 2 And issues such that would relate to allocation, a 3 lot of them are being presented to the jury which relate to 4 you. But we believe that all of the evidence, other than the NCP, overlaps. And there's no need to call somebody only for 03:08PM 5 6 the bench trial because you're going to hear it in the jury 7 trial part. THE COURT: All right. Have you had sufficient 8 9 time, Mr. Blum, to think through all the possibilities that you can possibly think through to see if something could come up in 03:09PM 10 11 the jury portion of the trial that would change whether you 12 wish to present someone other than Peter Mesard at the bench trial? 13 MR. BLUM: Your Honor, I'm trying to answer this 14 03:09PM 15 question and not think that I'm being sarcastic. 16 THE COURT: No, I'm -- it's a genuine question to find out whether you're in a position to give me your best 17 18 response or whether you would rather take the evening to 19 consider it and give me your best response. 03:09PM 20 Because you will face the question that you'll want 21 to avoid, that if you do call or ask me -- ask to call someone 22 other than Peter Mesard, you're going to have to explain to me 23 why you could not have anticipated the witness. And I'm going 24 to expect you to give me a good faith response that you thought 25 it through. 03:10PM

```
1
                        Frankly, I find it -- I would find it surprising
         2
             from what little I know of you and what I know of the amount of
         3
            time that you all have spent on this case that something is
         4
            going to escape your intellectual grasp of what may occur.
                        MR. BLUM: Your Honor, I wish I -- well, I hope to
03:10PM
         5
         6
             live up to your expectations, but I want the night to think
         7
            about it.
                        THE COURT:
                                    That's fine.
         8
         9
                                    Then there's really nothing further to
                        All right.
03:10PM
        10
            talk about with regard to the bench plan.
        11
                        I have looked at the objections to the two exhibits
        12
            with regard to Mr. Lardiere's testimony. And so they are
            Exhibit 26 and Exhibit 486. And so let me start with 26. And
        13
            let me hear from the plaintiff with respect to the foundation
        14
03:11PM
        15
             for using this document with Mr. Lardiere.
        16
                        MR. RICHARD: Oh. My --
        17
                        THE COURT: And just to focus this, this document
        18
             seems to me generally to be an admissible document.
             objection that I'm focusing on is that Mr. Lardiere has no
        19
03:11PM
        20
            personal knowledge about this document. I believe that is --
        21
                        MR. RICHARD: Are we talking about the same
        22
            document?
        23
                        THE COURT: You know what? I've confused -- I was
        24
            going off of memory.
        25
                        So let's talk about 486 since that's the one I'm
03:11PM
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1
            referring to. Forgive me.
         2
                        MR. RICHARD: All right. No problem, Your Honor.
                        THE COURT: So this is the Consent Order. It was
         3
            signed by a Whittaker officer. And so I'll hear from Mr. Blum
         4
            as to what the objection is besides personal knowledge. But
03:12PM
         5
         6
            the personal knowledge objection is at least of -- a question
         7
            for the Court.
         8
                        MR. RICHARD:
                                      Sure.
                                             I appreciate that, Your Honor.
         9
                        And if there were no other document signed by or
            provided to Mr. Lardiere or mentioning the 1994 order, I
03:12PM
        10
        11
            wouldn't be showing it to him. But he -- both the 2002
        12
            Imminent and Substantial Endangerment Order, which he is
        13
            familiar with, he was working there, he attached it to a
            declaration and said he had reviewed it and, et cetera, that
        14
03:12PM
        15
            document expressly refers to the 1994 Consent Order, as does
            the 2007 settlement agreement that Mr. Lardiere signed.
        16
        17
                        So I have -- I will -- you know, I know how to lay a
        18
            foundation. And if I didn't think I could lay a foundation, I
        19
            wouldn't have it on my list.
03:13PM
        20
                        THE COURT: Well, I think that's helpful.
        21
                        So you intend to pursue with Mr. Lardiere whether,
        22
            in fact, he does have a foundation to testify about this
        23
            document. If so, you'll use it with him. If not, you'll try
        24
            to get it in through some other witness.
        25
03:13PM
                        MR. RICHARD: Exactly.
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1
                        THE COURT: Do you have another witness who will be
         2
             able to sponsor this document?
         3
                        MR. RICHARD: I think it's also in Dr. Hughto's
            witness list.
         4
03:13PM
         5
                        THE COURT:
                                    All right. So let me hear, Mr. Blum,
         6
            why I shouldn't permit this document, 486, with the proviso
         7
             just discussed.
                        MR. BLUM: Your Honor, the -- if the only question
         8
         9
             to Mr. Lardiere is have you seen this, that's basically, you
03:13PM
        10
             know, no harm, no foul in reality. It really doesn't matter.
        11
            But if they're admitting it for the truth of the matter for the
        12
             factual assertions within the document itself, that's a whole
             other issue.
        13
        14
                        THE COURT: Let's assume that that's the purpose,
03:14PM
        15
             that Mr. Richard seeks to introduce this document. And before
             you get there, because I don't want to fall into this trap
        16
             again, is Mr. Richard correct that this document has been
        17
        18
            discussed with Dr. Hughto? Dr. Hughto has considered this
        19
             document. You expect Dr. Hughto has relied upon this document.
03:14PM
        20
                        MR. BLUM: That's my recollection, Your Honor.
        21
                        THE COURT: All right. So tell me what you're
        22
            practically fighting over.
        23
                        MR. BLUM: Well, the difference is -- there's a
        24
            difference between Mr. Hughto saying I've relied upon this and
        25
            asking Mr. Lardiere what he knows about it when it's obvious he
03:14PM
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1
             can't know anything about it. He's not allowed to rely upon
         2
            hearsay. Mr. Hughto is.
         3
                        THE COURT: No. There's a difference here, I think,
            or maybe I'm not tracking you, Mr. Blum, is that if, in fact,
         4
             there's a foundation to discuss the document with Mr. Lardiere,
03:15PM
         5
         6
             then this is a corporate document. This is a party document.
         7
             It's going to be a document that will be admitted into
            evidence.
         8
                        So what is the evidentiary objection in that regard,
            assuming a foundation?
03:15PM
        10
        11
                        MR. BLUM: Specific one is the parts relating to the
        12
            search warrant have not been excised.
                        THE COURT: Well, they will need to be excised.
        13
                        MR. BLUM: And there's other -- and the allegations
        14
03:15PM
        15
            in the Consent Order don't specifically relate to the question
             at hand. Again, it's a broad brush issue.
        16
        17
                        THE COURT:
                                    I'm sure you spoke with Mr. Gallagher,
        18
            and I do not intend to rehash the discussion about
            Mr. Hughto -- or Dr. Hughto and all of the exhibits and all of
        19
03:15PM
        20
            the issues that we have been addressing for a long period of
        21
             time. I've said my piece on that issue.
        22
                        So if what you're saying is there are other things
        23
             in here beyond strictly TCE, PCE, and perchlorate, I'm no
        24
             longer looking on the 403 scale as that counting towards undue
        25
            prejudice because all of that information is out there
03:16PM
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1 presented to the jury and not just by one side but also by the 2 other side. And certainly, it's been presented to the jury 3 without objection, that is, the stipulated exhibits. 4 So is that the scope of your argument? And the excising of issues relating to 03:16PM 5 6 the search warrant and the criminal investigation. 7 THE COURT: Yes. And that clearly must be excised. And I can't say this in strong enough terms to the plaintiff. 8 I do not expect to see any reference in any document that is received into evidence relating to a criminal investigation, a 03:17PM 10 11 search warrant, et cetera. In my view, that still raises a 12 substantial 403 issue. 13 And for the parties' benefit and for the benefit of the record, the law with respect to 404(b) as it applies to 14 03:17PM 15 corporations has not been, as far as I know, fully decided in the Ninth Circuit, by the Ninth Circuit. There may be some 16 17 District Court authority unpublished that addresses the issue. 18 There's circuit authority that I'm aware of outside of the 19 Ninth Circuit that acknowledges 404(b) applies to corporate 03:17PM 20 entities. 21 I haven't had occasion, nor do I feel the need, to 22 explore the depths of that issue. I'm inclined to believe it 23 does apply to corporations, but that's an inclination rather than an informed view. 2.4 25 03:18PM In my view, ultimately the reason I don't need to

1 address that issue dispositively is because even if 404(b) does 2 not apply to corporate entities, Rule 403 still does. And so in my view, it's largely in this case an academic issue. 3 4 The question for the Court is whether or not the potential for undue prejudice, as well as undue consumption of 03:18PM 5 6 time, substantially outweighs the probative value. 7 persuaded still that in the case of a criminal investigation, 8 search warrants and the like, it most certainly does. In my view, it would be unfair to Whittaker to introduce that evidence without opening the door to further 03:18PM 10 evidence as to every aspect of the potential investigation, the 11 12 investigation, the search warrant. And that not only will 13 consume a lot of time, but it is quite likely, in my view, to create undue prejudice to Whittaker. 14 03:19PM 15 So that, to me, is a clear line. I've been clear 16 about it. Nothing that I have heard since then has altered my calculation. 17 18 What has altered my calculation on 403 is that I was 19 being asked essentially to take a surgical knife to carve out 03:19PM 20 things other than the VOCs that I referred to, TCE, PCE, and 21 perchlorate, only to later find out that the parties have 22 agreed, in part, presumably because there are internal memos 23 from Whittaker, that there are all of these references to 24 indiscriminate dumping, burying, different sites across the 25 site where there was waste disposal, not all of which 03:20PM

1 necessarily refers to TCE, PCE, and perchlorate. 2 And so, again, I've concluded on that and have 3 provided the Court's ruling this morning. And I do just, once 4 again, remind you, Mr. Richard, that I am expecting that you will live up to your responsibilities and make sure that you 03:20PM 5 6 still, when you're introducing evidence, have a good faith 7 basis to connect up the issues in this case and the evidence 8 that you're producing. MR. RICHARD: Yes, Your Honor. Just one quick point 03:20PM 10 or two quick points. 11 On the 1994 order, it would save some back and forth 12 if the portions to be excised or whited out could -- if they 13 send that over to us, I'm happy to look at it. If I try to find all those references -- in other words, this is their 14 03:21PM 15 If they want to send over a redacted copy --16 I am going to do that only because I THE COURT: view this of such concern that I don't want there to be an 17 18 error made on the part of the plaintiff. So for that reason -and I think it would only be through human error. 19 03:21PM 20 imagine they would directly violate the Court's instruction. 21 So the request is granted. 22 MR. RICHARD: Thank you. 23 And I would note that in reviewing one of the trial 24 exhibits, there is a reference -- this document has not yet 25 03:21PM been published and defendants haven't flagged it -- but I

```
1
            believe Exhibit No. 1 has one reference either to the search
         2
            warrant or something.
                        So I would urge that if -- rather -- if there's a
         3
         4
             concern, you know -- I have never challenged Your Honor's
             inclination, ruling, admonitions regarding the search warrant
03:21PM
         5
             or the criminal investigation. I've never challenged that or
         6
         7
            arqued with Your Honor. I understand it's a bright line, and
             it makes sense.
         8
                        So there, I just waived that issue on appeal as
            well.
03:22PM
        10
        11
                        What I don't want, though, is the responsibility
        12
            necessarily to redact documents that they had already
        13
             stipulated to that may have an offhand reference that we didn't
             catch. Some of these documents, as Your Honor saw, 781 --
        14
03:22PM
        15
                        THE COURT: Let me just interject.
        16
                        MR. RICHARD: Thank you.
        17
                        THE COURT: It is not your responsibility. I am
        18
            going to put that responsibility on the defense since they have
        19
             the greatest incentive to make sure that there is no mistake,
03:22PM
        20
             there is no error.
        21
                        So by all means, Mr. Blum, if -- you'll have some
        22
             time, I know there's a lot to do, but put whatever resources
        23
            you think are necessary. And before -- before we actually give
        24
            the exhibits over to the jury -- so that will be at least some
        25
            time -- if you identify any reference that should be redacted,
03:23PM
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1
            it will get redacted and replaced.
         2
                        MR. BLUM: Yes, sir.
                        THE COURT: And the last document -- and I'll let
         3
         4
            you go, I know you have a few other things to do, as do I -- is
            Exhibit 26. And let me understand from you, Mr. Richard, what
03:23PM
         5
         6
            is this being introduced for?
         7
                        MR. RICHARD: So this is a letter that became a
         8
            whole lot more relevant after Mr. Blum's opening statement
            yesterday where he told the jury several times that my client
            would rather litigate than investigate and that they fully
03:23PM
        10
        11
            accept responsibility for perchlorate. He said that over and
        12
            over.
        13
                        THE COURT: It is clearly a theme.
        14
                        MR. RICHARD: Right. And so here we have a letter
03:23PM
        15
            to Mr. Lardiere saying we have contamination, please pay for
            treatment of perchlorate and other contaminants. And it's
        16
        17
            written from the general manager who's here. The reference to
        18
            April Jacobs is just a cover e-mail. And so Mr. Lardiere gets
        19
            a letter.
03:24PM
        20
                        I thought we had already stipulated to this because
        21
            it says stipulated as modified and we modified it to remove any
        22
            references to insurance. So I was taken a little aback to see
        23
            it popping up again. But as redacted, I mean, it's absolutely
        24
            relevant. It goes to rebut 30 minutes of his opening
        25
            statement.
03:24PM
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1
                        THE COURT: All right. Let me hear from you,
         2
            Mr. Blum. I don't know that it necessarily has the full thrust
         3
            that -- that Mr. Richard suggests, but wouldn't that be for the
         4
            jury to decide?
                                        It's a demand for settlement. It's
03:24PM
         5
                        MR. BLUM: No.
         6
            a mediation privilege. It's black letter law, Your Honor.
         7
            doesn't matter what it says, it can't be used in the case here.
                        THE COURT: Well, first of all, as I'm sure you
         8
         9
            know, there are exceptions to -- to that rule. But so tell me
03:25PM
        10
            how is the settlement agreement -- there have been references
        11
            to settlement agreements in this case. So explain to me how
        12
            all of that got in.
        13
                        MR. BLUM: Because we've agreed on those.
        14
                        THE COURT: All right.
03:25PM
        15
                        MR. BLUM: Each side had -- believes that there
        16
            should be a reason why they want to use it, but we don't agree
            on this.
        17
        18
                        THE COURT: And why don't you agree on this?
        19
                        MR. BLUM: Because the -- a demand is basically
        20
03:25PM
            that, just a demand. And it's -- and it's the basis as to why
        21
            there is a mediation privilege at all. That's why we don't
        22
            want it in.
                        THE COURT: Well, the rule, as you know, is more
        23
        24
            limited than you're suggesting.
        25
03:25PM
                       MR. BLUM: I understand. Nothing is ever as broad
```

1 as we hope it is. 2 THE COURT: But it's also -- it serves a particular 3 purpose. And here, this is being offered to respond to a theme that is a substantial theme that you have suggested in this 4 case. And so if it were so that the water agency throughout 03:26PM 5 made numerous overtures to avoid litigation with you or your 6 7 client, you're saying that you could tell the jury that they just wanted to litigate, they didn't want to actually do -- in 8 good faith try to resolve this, they were only interested in 10 litigating and they can't introduce anything in response to 03:26PM 11 that? 12 MR. BLUM: No, they can produce lots of stuff in response to it. For instance, Your Honor -- so the -- the 13 14 response that we would have theoretically to this letter is why 03:26PM 15 this demand was unreasonable. So -- and then they're going to come back with, yes, it was reasonable and we're going to start 16 litigating the negotiations. 17 18 THE COURT: But isn't that actually relevant? 19 that -- not that you -- not that you get into the negotiations. 03:27PM 20 The Court can't see the relevance of that. But isn't that 21 possibly a response to your theme? I'm not saying it's 22 correct. I have no particular view on this matter. But that 23 perhaps they thought, you know what? We have to litigate 24 because we have a history here with -- with Whittaker dragging 25 their feet. The only way they're ever going to do anything is 03:27PM

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1
            if we sue them.
         2
                        MR. BLUM: But they can say that and they can say
         3
            they made a demand. I have no problem with that. But bringing
            in the -- all the correspondence, the -- the retort would be we
         4
            got this. It was unreasonable. And the reasonable question to
03:27PM
         5
         6
            that is, well, why was it unreasonable? And now we're off --
         7
            now we're off on the issue of the negotiations.
         8
                        THE COURT: All right. Let me hear from
            Mr. Richard.
        10
                        MR. RICHARD: There is no question, Your Honor, that
03:27PM
        11
            during our meet and confer two months ago, we reached an
        12
            agreement and that agreement is reflected in our mutual joint
        13
            list, stipulated as to modified exhibit. We removed the
        14
            references to the insurance carrier. We had this discussion.
03:28PM
        15
            I don't know why we're discussing this.
        16
                        But to answer his question, there were no
        17
            negotiations because Mr. Lardiere ignored the letter.
        18
            Mr. Blum is talking about what ifs, that tomorrow 20 minutes
        19
            into Mr. Lardiere's examination will become clear.
                        So it should be admitted. It's -- this is one where
03:28PM
        20
        21
            it would have to be pretty prejudicial not to allow me to rebut
        22
            the major theme that he raised. But we did have a stipulation,
        23
            which is why it's a modified redacted one-page letter.
        2.4
                        THE COURT: So that's fine. Thank you.
        25
                        Lastly with you, Mr. Blum, I now have Rule 408 up.
03:28PM
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1
            And it says, "Evidence of the following is not admissible on
         2
            behalf of any party, either to prove or disprove the validity
         3
            or amount of a disputed claim or to impeach by a prior
            inconsistent statement or a contradiction." And then it goes
         4
            on to discuss the contents of what is protected.
03:29PM
         5
         6
                        It doesn't appear to me that this is being offered
         7
            either to prove or disprove the validity or amount of a
         8
            disputed claim but only to express that there were overtures
            made and resistance to paying by Whittaker. So why is this not
        10
            within the exception or exclusion of Rule 408?
03:29PM
                        MR. BLUM: Your Honor, I -- I mean, I'll be real
        11
        12
            frank. I've made my argument. I understand what the Court's
        13
            saying --
        14
                        THE COURT: Fair enough.
03:29PM
        15
                        MR. BLUM: -- or anticipated what the Court's going
        16
            to say.
        17
                                    Fair enough. I'm giving you the fair
                        THE COURT:
        18
            opportunity. I understand if you're submitting, you're
        19
            submitting.
03:30PM
        20
                        I am going to overrule the objection. I do think
        21
            this falls outside of Rule 408. I do think that Whittaker has
        22
            made a very substantial theme in this case that the whole
        23
            purpose in bringing this lawsuit, that is, that the whole
        24
            purpose in what occurred with the regulators even was for
            purposes of building up this lawsuit to make Whittaker pay for
        25
03:30PM
```

1 things that it doesn't owe. And obviously, I'm not either 2 embracing that or saying that is -- is incorrect, but that is an issue. It is a theme. And the jury, I think, is entitled 3 4 to see a response if there is one. So for that reason, the objection is overruled. 03:30PM 5 Before we conclude for the afternoon, I did now 6 7 check further and that is the only -- or the last of the 8 challenged documents that I have received. Is there anything else that the Court has not ruled upon with regard to future 10 witnesses? 03:31PM 11 MR. RICHARD: The only open issue -- and we've 12 talked about it, so it's not that we haven't talked, 13 Your Honor -- but we have a disagreement on a couple of provisions -- testimony in the video play for Mr. Peloquin. 14 03:31PM 15 don't believe there's a dispute as to the exhibits that will be introduced through that video. We've each designated those, 16 17 and I believe that those exhibits have been provided to 18 Your Honor. 19 But before we play the video, we probably need ten 03:31PM 20 minutes, unless they withdraw their objections, between now and 21 the next time we convene. You know, it's a standard -- and 22 maybe we have an objection to something they designated. 23 my memory is that -- I'd like to just hit play on the Peloquin 24 video. It's about an hour and eight minutes. But if -- there 25 are a couple of provisions that Your Honor's going to have to 03:32PM

```
1
            rule on at this point, a couple of objections or questions.
         2
                        THE COURT: How has that been presented to the
         3
            Court?
         4
                       MR. RICHARD: The testimony? I believe it's -- I'm
03:32PM
         5
            not sure.
         6
                        THE COURT: We had discussed a procedure. I think
         7
            we specifically talked about how the parties would present it
         8
            to the Court. And I gave you, I think, the following guidance,
            that I only wanted to see the objections and have enough
            context to make a ruling. And I would leave it to your
03:32PM
        10
        11
            judgment as to how much context, essentially, you wanted to
        12
            provide the Court. And then I would receive that in hard paper
            form.
        13
        14
                        So my question is: Where are we on that?
03:32PM
        15
                        MR. RICHARD: Yes. I know that we have filed with
        16
            the Court some portion of Mr. Peloquin's testimony. We'll meet
        17
            and confer. And if there's two pages I need to bring tomorrow,
        18
            I just can't -- we've gone back and forth in this video so
            often, I don't -- I can't stand here and say the Court has the
        19
03:33PM
        20
            most recent limited objections.
        21
                        THE COURT: Well, what I would suggest you do is,
        22
            when you go back this afternoon, perhaps what you can do is
        23
            just send it. I want it in hard copy. But if it's not that
        24
            voluminous and you want to send it electronically, you can send
        25
            it electronically. Copy Mr. Blum and send it to the Court's
03:33PM
```

```
1
             chambers e-mail.
         2
                        MR. RICHARD: Thank you very much, Your Honor.
         3
                        THE COURT: And there are no other witnesses that
         4
            have been presented to the Court with challenged exhibits?
                        MR. RICHARD: No, Your Honor. We're meeting and
03:33PM
         5
         6
             conferring on the experts for -- for Monday and Tuesday.
         7
                        THE COURT: All right. Then we're in recess.
                                                                        Have
         8
            a good evening, everyone.
         9
                        MR. BLUM: May I ask a logistical question?
03:33PM
        10
                        THE COURT: Yes.
        11
                        MR. BLUM: Have you made any decisions on next
        12
            Wednesday?
        13
                        THE COURT:
                                    I really haven't. I wanted to get --
                        This is off the record.
        14
03:34PM
        15
                        (Off-the-record discussion.)
                        THE COURT: Let's go back on the record on this one.
        16
        17
                        There was an issue with regard to the bench plan
        18
             that the Court did not address and that has to do with time.
                                                                            Ι
            believe that Mr. Richard was hoping that the 20 hours that the
        19
03:34PM
        20
            parties had agreed to, after I'd asked them to try to pare this
        21
             down, didn't include the portion of the bench trial.
        22
                        That was not my expectation, Mr. Richard.
        23
            expectation was that you were going to get 20 hours to complete
        24
             this trial. It doesn't appear to me that there's going to be
        25
            much time devoted to the bench trial.
03:35PM
```

1 Let me leave it at this. If, in my view, you are making a good faith effort and are being efficient and you need 2 3 a little extra time, I'm not going to likely shut you off. 4 you should make an earnest good faith effort to get through the evidence in the time that everyone has agreed to. 03:35PM 5 6 And if -- that's why I will at times, I will try to 7 give gentle reminders, like I did with Mr. Gee. And it doesn't 8 mean that I'm necessarily right. Sometimes it's not entirely clear because I don't know what your other witnesses are going to say or really what your positions are going to be. 03:35PM 10 11 But I do notice at times that, you know, you're 12 spending time on things that, in my judgment -- and this is not 13 critical, we all have different judgments -- but that probably jurors are not going to be nearly as concerned about that 14 03:36PM 15 perhaps you think they're going to be concerned about. 16 So make your best judgments. I do intend to hold 17 you within due process limitations to the time that everyone 18 has agreed to, but I also expect to be reasonable. And I think 19 if you're being reasonable and you need some additional time on 03:36PM 20 either side, I will certainly give it consideration. 21 We're in recess. 22 (Proceedings adjourned at 3:36 p.m.) 23 2.4 25

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    STATE OF CALIFORNIA
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                             )
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                I, MYRA L. PONCE, FEDERAL OFFICIAL REALTIME COURT
 7
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 8
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 9
    TO SECTION 753, TITLE 28, UNITED STATES CODE THAT THE FOREGOING
10
    IS A TRUE AND CORRECT TRANSCRIPT OF THE STENOGRAPHICALLY
11
    REPORTED PROCEEDINGS HELD IN THE ABOVE-ENTITLED MATTER AND THAT
12
    THE TRANSCRIPT PAGE FORMAT IS IN CONFORMANCE WITH THE
13
    REGULATIONS OF THE JUDICIAL CONFERENCE OF THE UNITED STATES.
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17
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18
19
                                     /S/ MYRA L. PONCE
20
21
                          MYRA L. PONCE, CSR NO. 11544, CRR, RDR
                             FEDERAL OFFICIAL COURT REPORTER
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